NASA CONTRACTOR REPORT 166587



An Experimental Evaluation of Advanced Rotorcraft Airfoils in the NASA Ames Eleven-Foot Transonic Wind Tunnel

Robert J. Flemming

(NASA-CP-166587) AN EXPERIMENTAL EVALUATION N88-11640 OF ADVANCED ROTORCEAFT AIFFOILS IN THE NASA AMES ELEVEN-FOOT TRANSONIC WIND TUNNEL Contractor Report, Mar. 1982 - Apr. 1983 Unclas (Sikorsky Aircraft) 162 p Avail: NTIS HC G3/C2 0108482

CONTRACT MOA 14800-039 September 1984



.

NASA CONTRACTOR REPORT 166587

An Experimental Evaluation of Advanced Rotorcraft Airfoils in The NASA Ames Eleven-Foot Wind Tunnel

Robert J. Flemming United Technologies Sikorsky Aircraft

Prepared for Ames Research Center under Contract MOA 14800-039



Ames Research Center Moffett Field, California 94035

FOREWORD

The test and data comparisons contained in this report are the result of a cooperative rotorcraft airfoil program between the Sikorsky Aircraft Division of United Technologies Corporation and the Ames Research Center of the National Aeronautics and Space Administration. While the tested airfoils are the product of Sikorsky design efforts, the test data and theoretical comparisons are published herein to advance the state of rotorcraft airfoil performance prediction. Several comparisons are contained in this report, but the reader is invited to use the data to provide additional insight into the areas where the available theoretical methods give valid results and where further theory development is required.

Many people provided the technical support to conduct this program. The principal personnel include:

Raymond Hicks	NASA Ames	Project Coordination									
LeRoy Guist	NASA Ames	Test Engineer									
Donald Jepson	Sikorsky Aircraft	Model Design									
Anthony Saccullo	Sikorsky Aircraft	Test Engineer									
David Lednicer	Sikorsky Aircraft	Aerodynamicist									

PRECEDING PAGE BLANK NOT FILMED

TABLE OF CONTENTS

	Page
Foreword	iii
List of Tables	v
List of Figures	vi
Summary	1
Introduction	2
Symbols	3
Test Facility	4
Models	4
Instrumentation	5
Test Procedure	6
Data Reduction Methods	6
Test Results	8
Theory Correlation	10
Conclusions	12
Appendix A - Tabulated Test Data	126
References	150

LIST OF TABLES

		<u> </u>
I	Airfoil Model Geometric Characteristics	13
II	Coordinates for the SC1095 and SC1094 R8 Airfoils	14
III	Model Configuration Summary	15
IV	Run Log	16
V	Estimated Data Accuracy	25

LIST OF FIGURES

		Page
1.	TSA installed in the Ames Eleven-Foot Transonic Wind Tunnel	27
2.	TSA schematic	28
3.	Airfoil section profiles	29
4.	Airfoil metric sections	29
5.	Test Reynolds numbers	30
6.	Metric section calibration fixture	31
7.	Representative manometer board wake rake profiles	31
8.	Data repeatability - SC1095 airfoil, Mach number = 0.40	32
	 a. Lift coefficient versus angle of attack b. Drag coefficient versus lift coefficient c. Pitching moment coefficient versus lift coefficient 	
9.	Balance measurement correlation with pressure measurements	35
	a. Liftb. Dragc. Pitching moment	
10.	Drag for a drag coefficient of 0.008	38
11.	Aerodynamic characteristics of the SC1095 airfoil	39
	 a. Lift coefficient versus angle of attack b. Drag coefficient versus lift coefficient c. Pitching moment coefficient versus lift coefficient 	
12.	Aerodynamic characteristics of the SSC-A09 airfoil	42
	 a. Lift coefficient versus angle of attack b. Drag coefficient versus lift coefficient c. Pitching moment coefficient versus lift coefficient 	
13.	Aerodynamic characteristics of the SSC-A07 airfoil	45
	 a. Lift coefficient versus angle of attack b. Drag coefficient versus lift coefficient c. Pitching moment coefficient versus lift 	

LIST OF FIGURES (Cont'd)

		Page
14.	Aerodynamic characteristics of the SSC-B08 airfoil	48
٠	 a. Lift coefficient versus angle of attack b. Drag coefficient versus lift coefficient c. Pitching moment coefficient versus lift coefficient 	
15.	Aerodynamic characteristics of the SC1094 R8 airfoil	51
	 a. Lift coefficient versus angle of attack b. Drag coefficient versus lift coefficient c. Pitching moment coefficient versus lift coefficient 	
16.	Aerodynamic characteristics at a Mach number of 0.30	54
	 a. Lift coefficient versus angle of attack b. Drag coefficient versus lift coefficient c. Pitching moment coefficient versus lift coefficient 	
17.	Aerodynamic characteristics at a Mach number of 0.40	57
	 a. Lift coefficient versus angle of attack b. Drag coefficient versus lift coefficient c. Pitching moment coefficient versus lift coefficient 	
18.	Aerodynamic characteristics at a Mach number of 0.50	60
	 a. Lift coefficient versus angle of attack b. Drag coefficient versus lift coefficient c. Pitching moment coefficient versus lift coefficient 	
19.	Aerodynamic characteristics at a Mach number of 0.60	63
	 a. Lift coefficient versus angle of attack b. Drag coefficient versus lift coefficient c. Pitching moment coefficient versus lift coefficient 	
20.	Aerodynamic characteristics at a Mach number of 0.70	66
	 a. Lift coefficient versus angle of attack b. Drag coefficient versus lift coefficient c. Pitching moment coefficient versus lift coefficient 	
21.	Aerodynamic characteristics at a Mach number of 0.80	69
	 a. Lift coefficient versus angle of attack b. Drag coefficient versus lift coefficient c. Pitching moment coefficient versus lift coefficient 	

LIST OF FIGURES (Cont'd)

		Page
22.	Aerodynamic characteristics at a Mach number of 0.85	72
	 a. Lift coefficient versus angle of attack b. Drag coefficient versus lift coefficient c. Pitching moment coefficient versus lift coefficient 	
23.	Variation in maximum lift coefficient versus Mach number	75
24.	Variation in drag coefficient at zero lift versus Mach number	76
25.	Maximum L/D versus Mach number	77
26.	Lift curve slope correlation	78
27.	Pressure coefficient distribution for the SC1095 airfoil	79
	a. $M = 0.40$ b. $M = 0.60$ c. $M = 0.80$	
28.	Pressure coefficient distribution for the SSC-A09 airfoil	82
	a. $M = 0.40$ b. $M = 0.60$ c. $M = 0.80$	
29.	Pressure coefficient distribution for the SSC-A07 airfoil	85
	a. $M = 0.40$ b. $M = 0.60$ c. $M = 0.80$	
30.	Pressure coefficient distribution for the SSC-B08 airfoil	88
	a. $M = 0.40$ b. $M = 0.60$ c. $M = 0.80$	
31.	Pressure coefficient distribution for the SC1094 R8 airfoil	91
	a. $M = 0.40$ b. $M = 0.60$ c. $M = 0.80$	

LIST OF FIGURES (Cont'd)

```
Page
     Pressure coefficient distribution for low lift at
                                                                94
     high Mach numbers
          M = .825
          M = .85
     b.
          M = .88
     C.
          M = .90
     d.
     e.
          M = .98
     f.
          M = 1.07
33. Pressure coefficient correlation, M = 0.30, C_1 = 0
                                                                100
          SC1095
          SSC-A09
     b.
     C.
          SSC-A07
     đ.
          SSC-B08
          SC1094 R8
34. Pressure coefficient correlation, M = 0.30, C_1 = 1.2. 105
          SC1095
          SSC-A09
     b.
          SSC-A07
     C.
          SSC-B08
     d.
          SC1094 R8
          SC1094 R8, C_1 = 1.5
35. Pressure coefficient correlation, M = 0.4, C_1 = .7
                                                                111
          SC1095
     b.
          SSC-A09
          SSC-A07
     C.
     d.
          SSC-B08
          SC1094 R8
36. Pressure coefficient correlation, M = 0.6, C_1 = .4
                                                                116
          SC1095
     b.
          SSC-A09
     c.
          SSC-A07
          SSC-B08
     đ.
          SC1094 R8
37. Pressure coefficient correlation, M = 0.825, C_1 = 0
                                                                121
          SC1095
     a.
     b.
          SSC-A09
     c.
          SSC-A07
          SSC-B08
          SC1094 R8
     e.
```



•

Ţ.

An Experimental Evaluation of Advanced Rotorcraft Airfoils in the NASA Ames Eleven-Foot Transonic Wind Tunnel

R. J. Flemming Sikorsky Aircraft

SUMMARY

Five full scale rotorcraft airfoils were tested in March and April 1982 in the NASA Ames Eleven-Foot Transonic Wind Tunnel for full scale Reynolds numbers at Mach numbers from 0.3 to 1.07. The models, which spanned the tunnel from floor to ceiling, included two modern baseline airfoils, the SC1095 and SC1094 R8, which have been previously tested in other facilities. Three advanced transonic airfoils, designated the SSC-A09, SSC-A07, and SSC-B08, were tested to confirm predicted performance and provide confirmation of advanced airfoil design methods. This test has shown that the eleven-foot tunnel is suited to two-dimensional airfoil testing.

The maximum lift coefficients at a Mach number of 0.3 for the SC1095 and SC1094 R8 were 1.37 and 1.72, respectively, about 9% above prior test values. The transonic airfoils had maximum lift coefficients of 1.40, 1.22, and 1.15 for the SSC-A09, -B08 and -A07, respectively. Drag divergence Mach numbers at zero lift for these airfoils were .808, .780, .833, .848 and .860. Prior to stall and drag divergence the pitching moments were generally between 0.010 and -0.015. SC1095 and SC1094 R8 lift curve slopes were 8 to 17% below that of the solid-wall United Technologies Research Center tunnel, used to test the baseline airfoils in 1975.

The airfoil analysis codes agreed well with this data, with the Grumman GRUMFOIL code giving the best overall performance correlation. The NYU Transonic Airfoil code predicted airfoil pressures and drag divergence well, but errs in the calculation of pitching moment. The Texas A&M TRANDES/TRANSEP codes show good correlation over the full range of test conditions. The AMI CLMAX code predicts the relative maximum lift coefficient of the thicker airfoils well, but fails to predict the maximum lift coefficients measured in the test exceed the CLMAX code prediction and available test data from the United Technologies tunnel by about 10%.

INTRODUCTION

Rotor systems must be improved to satisfy mission requirements which demand advancements in efficiency for higher cruise speeds and lower fuel consumption and for reductions in acoustic levels. Advances in methodology have provided more rigorous means to design improved airfoils, but these codes have not had a good correlation base for rotorcraft airfoils—airfoils that have compromises between high lift at low velocities and low drag at transonic velocities, all while maintaining low pitching moments.

Sikorsky Aircraft initiated a project in 1979 to replace the SC1095 airfoil family with a family of airfoils that maintain its maximum lift capability and pitching moment levels while increasing drag divergence Mach number by .03 or more. This airfoil family was designated the SSC-AXX family. An additional design incorporated a different design philosophy to provide a pitching moment near zero. This airfoil family was designated the SSC-BXX family. The design study used many airfoil codes, including TRANDES, NYU Transonic code (program H), AMI's CLMAX code, FLO 6, and GRUMFOIL (MCMJ-9) (refs. 1-5). While these codes correlate well with modern airfoils such as the SC1095, additional data was required to validate the new transonic airfoil designs and the theories that were used to design them. A cooperative two-dimensional test program between NASA's Ames Research Center and Sikorsky Aircraft was initiated in 1980 to satisfy these validation requirements. This report describes the test procedure, data analysis methods, processed data, and code correlation for this test program, conducted in the Ames Eleven-Foot Transonic Wind Tunnel.

SYMBOLS

```
Axial Force, kg (lb)
A
C
           Airfoil Chord, m (ft)
^{\rm C}_{
m A}
             Axial Force Coefficient, A/Sq
Cd
            Drag Coefficient, D/Sq
c_1
            Lift Coefficient, L/Sq
C_{\mathbf{m}}
             Pitching moment coefficient reference to
             quarter chord, PM/Scq
C_{N}
            Normal Force Coefficient, N/Sq
^{\mathsf{C}}_{\mathtt{P}}
             Surface Pressure Coefficient,
D
            Drag, newtons (lb)
h
             Tunnel height, m (ft)
L
            Lift, newtons (lb)
            Mach number
М
M_{\overline{D}\overline{D}}
            Mach number for drag divergence, dC_d/dM = 0.1
N
            Normal Force, newtons (1b)
P
             Pressure, newtons/m<sup>2</sup> (psf)
PM
            Pitching Moment, newton-m (ft-lb)
            Dynamic pressure, \sqrt[4]{9}V<sup>2</sup>, newtons/m<sup>2</sup> (psf)
q
R_{N}
             Reynolds Number
S
            Metric Section Area, m<sup>2</sup> (ft<sup>2</sup>)
            Airfoil Thickness, cm (in)
t
V
             Velocity, mps (fps)
             Angle of Attack, deg
Œ
            Air density, newtons/m<sup>3</sup>, (slugs/ft<sup>3</sup>)
Subscripts
BAL
             Balance
1
             Local
max
             Maximum
P
            Pressure
W
            Wake
00
            Free Stream
```

TEST FACILITY

The Eleven-Foot Transonic Wind Tunnel at NASA Ames is part of the Unitary Plan Wind Tunnel complex. It is a closed return, variable density tunnel with airflow produced by a three-stage axial-flow compressor. The tunnel can be operated at Mach numbers from 0.4 to 1.4 at stagnation pressures from 0.5 to 2.25 atmospheres and at lower Mach numbers at pressures above 1.4 atmospheres. For the advanced rotorcraft airfoil test the maximum Mach number was 1.07 and the stagnation pressure was held at 1.0 and 1.4 atmospheres. Stagnation temperature averaged 294°K (530°R).

The four walls of the test section are slotted with a normal porosity of 6.1%. To provide smooth flow near the ends of the airfoil model the slots adjacent to the model were taped, reducing porosity to 4.7%.

MODELS

The Sikorsky Tunnel Spanning Apparatus (TSA) was installed in the eleven-foot tunnel in a vertical orientation (see fig. 1). Dimensional data for the TSA is provided in figure 2. The base of the TSA's stainless steel spar was adapted to the tunnel yaw table and a turntable was fabricated to support the upper end of the spar. The turntables were controlled by one primary input with trim adjustments made with the upper turntable controller. Seven fiberglass-graphite airfoil panel segments for each airfoil model were attached to the spar. pressures were measured using 24 upper surface and 11 lower surface .107 cm (.042 inch) orifices located 15.24 cm (6 inches) above the model centerline. The center 20.32 cm (8 inches) of the model contains a six-component Task balance and a single-component rear load cell. The metric section is sealed to the non-metric panels with .024 cm (.010 in) thick elastomeric material. Two struts with triangular cross-sections provided part-span support. The test of Reference 6 showed that the struts do not affect airfoil performance.

Five airfoil profiles (fig. 3) were fabricated for this test, including the SC1095 and SC1094 R8 for which test data in other facilities was already available. The chords of these two models are about 41 cm (16 inches). The three advanced airfoil models fabricated for this test have chords of 43.9 to 54.2 cm (17.3 to 21.3 inches). The chord increase was required to accomodate the spar for these airfoils, which are thinner than the SC1095. The airfoil metric sections are shown in figure 4. Tests near atmospheric pressure provide full scale data for aircraft in the size range of the Sikorsky S-76 and UH-60A, Bell UH-1H, and Hughes AH-64A.

While the tunnel can be operated over a wide range of stagnation pressures, data were acquired at pressures of 76 cm (30 inches) and 107 cm (42 inches) of mercury. The latter pressure was required at M=0.3 because of minimum motor RPM constraints. The SSC-A09 airfoil was operated at Mach numbers up to .84 at both pressures to define Reynolds number trends. The test Reynolds numbers are summarized in figure 5.

Table I shows the basic geometric properties of the airfoil models. The coordinates for the SC1095 and SC1094 R8 airfoil sections are given on the first page of Table II. The coordinates for the SSC-A09 and SSC-A07 sections for which a patent is pending and the SSC-BO8 section are included on the second page of Table II. The airfoil section profiles (fig. 3) were produced from aluminum molds using fiberglass with stiffening provided by graphite strips. This fabrication process generally produced airfoils to a tolerance within .03 cm (.012 The panel segments of the SSC-A09 airfoil were inches). reworked prior to Run 196 to reduce bolt head loads. This re-Comparison of data taken sulted in larger tolerance errors. prior to the modification with that after the modification indicates that the data of Runs 196-221 has a reduction in Class of 0.11, an increase in drag of 0.0014 and an increase in pitching moment of .001. This is discussed further later in this report (see page 8). Surface finish was smooth, comparable to production blade finishes. Boundary layer transition devices were not used because full scale Reynolds numbers were used during testing.

At the end of the test, several out-of-contour modifications were made to the SSC-A09 airfoil using tape and wax. The description of these changes is given in the Test Results section of this report.

INSTRUMENTATION

The airfoil section forces and moments were derived from the balance readings and by pressure integrations. The center 20.3 cm (8 inches) of the TSA span is mounted to a 2.54 cm (one-inch) diameter six component Task balance and a single component load cell (see fig. 2). Calibration of this system was made with elastomeric seals in place, using special calibration fixtures (fig.6). The balance system was check loaded for each configuration during the test.

Pressures from the model orifices and the sting-mounted wake rake were measured by an automatic scanning system with precision transducers. Half of the wake rake tubes were teed to a mercury manometer board to aid in visualization and rake placement (fig. 7).

Model incidence was measured with potentiometers on both the lower and upper turntables. The TSA spar and struts were strain gauged to permit monitoring of the component loads. All parameters were displayed on digital voltmeters to permit continuous monitoring of the data. Data were recorded on the tunnel data system and transmitted to the Ames computer for on-line data reduction and stored for final post-test processing. Final data tapes were transmitted to Sikorsky Aircraft for preparation of final data listings and to facilitate the plotting of data.

TEST PROCEDURE

The test was conducted according to a test plan which prescribed angle of attack variation from -5 degrees through stall for Mach numbers between 0.3 and 1.07, except when limited by strut compression loads. Drag divergence Mach number was defined by a Mach number sweep at zero lift. The wake rake was generally covered at Mach numbers of 0.9 and above to prevent vibratory damage to the rake tubes. Ultraviolet oil flow photographs were taken for selected conditions.

Each data point was approached from a lower angle of attack with 30 seconds allowed for the tunnel and manometer board to stabilize prior to data acquisition. Data repeatibility with angle of attack set in both the increasing and decreasing directions was evaluated during the initial test runs. Repeatibility is excellent and there are no signs of hysterisis in any parameter (fig. 8). Test repeatibility was checked during each run by repeating the Mach number of 0.4 case at angles of attack of 0 and 6 degrees.

The configurations tested are summarized in Table III. Run conditions are presented in Table IV.

DATA REDUCTION METHODS

The equations used to transform raw test data to aerodynamic coefficient follow accepted procedures. A description of the equations used in the data reduction process are given below to assist the reader in understanding the derivations of the coefficients.

The aerodynamic parameters contained in this report are corrected for the effect of the tunnel walls and spar torsion. The magnitude of the wall corrections that must be applied to the data are small. Since airfoil thickness ratios are 9.5% or less and height to chord ratios greater than 6, the wall

correction factors increase the free stream Mach number by 1%, the lift and drag coefficients decrease by 1½%, with small changes to pitching moment and angle of attack. The relationships used are given in Reference 7. An additional correction is made to the angle of attack to account for the change in angle at the metric section due to torsional moments. This correction increases the magnitude of the angle of attack about 2%. The lift curve slope in a slotted tunnel is less than that of a solid wall tunnel by 8 to 17%. The angles in this report are not corrected for the slot effect, but corrections are presented in the Test Results section of this report.

The coefficients of lift and drag are presented in the wind axis system. The wake rake drag is measured in the wind axis system, but the balance chord force and balance and surface pressure normal forces must be transformed as follows:

$$C_{L_{P}} = C_{N_{P}}(\cos \alpha + \tan \alpha \sin \alpha) - C_{D_{W}} \tan \alpha$$

$$C_{L_{BAL}} = C_{N_{BAL}} \cos \alpha - C_{A_{BAL}} \sin \alpha$$

$$C_{D_{BAL}} = C_{N_{BAL}} \sin \alpha + C_{A_{BAL}} \cos \alpha$$

The pitching moments for all of the airfoils, except the SC1094 R8, are referenced to the quarter chord. The SC1094 R8 pitching moment is referenced to the quarter chord of the SC1095. The quarter chord moment for the SC1094 R8 is

$$C_{M} = C_{M} - .0025 C_{L} - .015 C_{D}$$

Use of this transformation increases the nose down moment at high lift conditions by .005.

The wake rake data were analyzed following the procedures of Reference 8. Corrections for wall interference and the velocity gradient across the probes were applied.

TEST RESULTS

The airfoil surface pressure data, internal balance data, and wake rake pressure data were used to produce coefficients of lift, drag and quarter chord pitching moment, presented in tabular form in Appendix A. At low tunnel speeds the coefficients based on pressure data are inherently more accurate. Model flexibility results in errors in the transfer of loads to the balance, especially in the axial direction. As the tunnel speed is increased, and loads increase the agreement between pressure and balance measurements improve. At high Mach numbers the balance provides more accurate results, since the balance is not affected by force and moment pressure integration uncertainties due to rotational flow and shock position location between pressure ports. A comparison of force and moment coefficients derived from pressure and balance measurements is shown in Figure 9. The lift coefficient agreement is very good, even for cases with shock waves and for post-stall conditions (see fig. 9a). The estimated data accuracy for these measurements is given in Table V.

The wake rake provided much better drag coefficient repeatability than the balance measurements. The drag uncertainty for the balance was about 1.5 kilograms due to the flexibility in bond joints between the composite model skins and the balance clamps. (Future metric sections will be machined from solid metal to avoid this flexibility.) This 1.5 kilogram uncertainty exceeds the nominal minimum drag coefficient for Mach numbers below 0.64 (see fig. 10). Figure 9b shows the data scatter that exists in balance drag measurements. While points showing good agreement exist within the overall data scatter, balance drag values for points where the measured wake rake drag is less than 1.5 kilograms are generally not presented in Appendix A. The agreement between balance and pressure-derived pitching moment coefficients are good, improving with increasing Mach number. The plotted data presented in figures 11 through 25 are based on pressure measurements.

Figure 11 shows the force and moment coefficient data for the SC1095 airfoil for a range of Mach numbers. The maximum lift coefficient for the SC1095 at low Mach numbers as measured in the Ames 11-foot wind tunnels exceeds the maximum lift coefficient measured with the TSA in the UTRC 8-foot wind tunnel by 10%. Measured drag coefficients agree well. Force and moment coefficient data for the SSC-A09, SSC-A07, SSC-B08, and SC1094 R8 airfoils are presented in figures 12 through 15.

The SSC-A09 airfoil attachment points had to be reworked to reduce bolt head stresses. This resulted in a slight upward rotation of the leading edge piece and a corresponding dis-

continuity between the leading edge and trailing edge parts of the model for Runs 196 to 285. Post test evaluation of the data showed that this tolerance error caused a degradation in airfoil performance. The drag coefficient increased by 0.0014 and the pitching moment increased by 0.001. The maximum lift coefficient at a Mach number of 0.3 was lower by 0.11 after the rework and the point of zero lift occurs at a 0.3 degree higher angle of attack. Of this block of data only Run 196 is used in the graphical presentations in this report. This run is shown in figure 12 and exhibits a premature reduction in lift coefficient at angles of attack about 13 degrees. The dashed line in figure 12a shows the minimum performance expected for the airfoil at a Mach number of 0.4.

Figures 16 through 22 show the effect of airfoil configuration at constant Mach numbers. Figure 16a shows the low Mach number high lift characteristics of each airfoil. The high lift benefits of the leading edge camber of the SC1094 R8 are evident in this figure. The three transonic airfoils performed satisfactorily at this condition. The SSC-A09 airfoil exceeded the SC1095 airfoil maximum lift coefficient by 2%, and each transonic airfoil tested showed "gentler" stall characteristics. Low lift, low Mach number drag levels ranged from .0067 to .0088. The transonic airfoils had lower drag levels than the baseline airfoils.

The transonic airfoils produced significant performance improvements at higher Mach numbers. The maximum lift of the SSC-A09 exceeded that of the other airfoils tested at Mach numbers between 0.50 and 0.74. Above a Mach number of 0.74 the SSC-A07 had superior maximum lift capability (see fig. 23). Figure 24 shows the zero lift drag for the tested airfoils. The type of leading edge camber used for the SC1094 R8 results in an early drag rise and a drag divergence Mach number that is significantly lower than the other airfoils. The transonic airfoils maintain low drag characteristics to Mach numbers above 0.833. The drag divergence Mach number occurs at lower drag levels for the improved airfoils, providing more drag reduction than indicated by changes in drag divergence Mach number. The lift-drag ratios for the airfoils designed using modern design methods are superior to earlier rotorcraft airfoils. The airfoils in the SSC-AXX family have better maximum L/D values than the other tested airfoils (fig. 25).

Slotted wind tunnels give lower lift curve slopes than given in solid wall tunnels or by theory (see ref. 9). Figure 26 compares, for the SC1095 and SC1094 R8 airfoils, the lift curve slope derived from theory and the Ames and UTRC tunnels. The differences between tunnels ranges from 8% at low Mach numbers to 17% at high Mach numbers.

A limited number of runs at higher Reynolds numbers were made during the latter part of the test. These runs, which were at a Reynolds number 40% above the baseline, showed little change in maximum lift, a very small increase in drag coefficient (+.0008), and a small increase in pitching moment (+.004).

Five types of out-of-contour bumps and protruberances were added to the SSC-A09 airfoil at the end of the test and run over limited angle of attack and Mach number ranges. Each configuration showed a degradation in maximum lift coefficient and an increase in drag coefficient. Pitching moment coefficient changes were generally within ±.005 of the baseline value.

The first change (Configuration 6) was a simulated out-ofcontour de-icing boot or abrasion strip. A soft duct tape was
applied to the leading edge of the airfoil back to an x/c of
10% for both the upper and lower surfaces. The tape thickness
was 0.35% of chord and ended in a step discontinuity. This
resulted in a 15% reduction in maximum lift and an 80% increase
in drag. This configuration was modified by adding a fairing
behind the tape (Configuration 7). The fairings reduced the
penalties for configuration 6 by 50%. The effect of miniature
pressure transducers mounted on the blade surface was investigated (Configuration 8). Three rows of fifteen units, each
having a diameter of 0.40 cm and a height of 0.08 cm with a
simulated base and wiring, were placed on the model on the
pressure orifice line, on the centerline of the metric section
and 15 cm below the metric section centerline. The simulated
transducers reduced the maximum lift by 4% and increased the
drag by 18%.

Configurations 9 and 10 were smooth surface bumps. The first had a height of 0.3% of chord centered at the 50% chord station on the upper surface. The chordwise extent was 29%. This bump caused a 2% reduction in maximum lift and a 15% increase in drag. Adding a second bump at 10% chord (Configuration 10) with a height of 0.2% of chord and a chordwise extent of 14% resulted in a further loss in maximum lift of 1% and a further drag increase of 7%.

THEORY CORRELATION

Surface pressure data for the tested airfoils are presented in figures 27-32. These data have been used to compare several analysis methods (figs. 33-37). Figure 33 presents the surface pressure correlation for the five tested airfoils at low lifts and low Mach numbers. The computer codes produced similar results, and match the test data well. Pressure differences near the trailing edge are evident from these plots. Figure 34

shows similar data for high lift, low Mach number conditions. The data selected do not show separated flows on the upper surface as predicted by the AMI CLMAX code (ref. 3), although the angle of attack prediction for the input lift coefficient is good (prior to making lift curve slope corrections). CLMAX code failed to converge at high angles of attack for the 7% thick airfoil. The Squire-Young drag coefficient (D____) in CLMAX tended to be optimistic. Additional CLMAX cases were run to evaluate the predicted maximum lift capability for each tested model. This code underpredicted the maximum lift coefficient measured in the Ames tunnel by about 10%. (It should be noted that the maximum lift from the Ames 11-foot wind tunnel exceeded that of the UTRC tunnel by 10%.) At a constant lift coefficient the pressures predicted by the NYU transonic (Korn, Garabedian, Bauer) code (ref. 2) are very good, although this code was not formulated for high lift, separated flow conditions and cannot show the same pressure distribution given by the CLMAX code. The TRANSEP code (ref. 1) predicted the pressure distributions well, showing the same or smaller separated zones at the trailing edge than the CLMAX code. The angle of attack correlation would improve if the slotted wall lift curve slope correction was applied to the data.

The surface pressures predicted by the NYU, TRANDES (see ref. 1) and MCMJ-9 GRUMFOIL code (see ref. 5) correlate very well for the moderate Mach number, moderate lift condition of figure GRUMFOIL provides a better prediction of pitching moment. Similar correlation exists for the higher Mach number, moderate lift conditions of figure 36. Figure 37 shows the test data theory comparison for a low lift, high Mach number condition. The shock position and the pitching moment for the SC1095 airfoil (fig. 37a) is predicted by GRUMFOIL, but GRUMFOIL shows the shock at a more rearward position for the SC1094 R8 airfoil. The three codes agree with the test data reasonably well for the transonic airfoils. GRUMFOIL exhibited much better pitching moment correlation than the other codes evaluated. The NYU, TRANDES and GRUMFOIL predicted the drag divergence Mach number within ±.015. TRANDES tended to underpredict the drag divergence Mach number while the other two programs matched or slightly exceeded the drag divergence Mach number based on test data. The theoretical calculations for the SC1094 R8 airfoil had the largest deviations from the test The predicted drag levels for the cases of figures 35-37 were very good.

CONCLUSIONS

The test confirmed that the NASA Ames Research Center Eleven-Foot Transonic Wind Tunnel is well suited to airfoil testing. This test provided data for several airfoil designs including the SSC-AXX and SSC-BXX airfoil families, showing capability greater than that of the baseline SC1095 airfoil in the areas of maximum lift, maximum L/D and drag divergence Mach number.

Several modern airfoil theories were compared with the test data. The AMI CLMAX program had good angle of attack-lift correlation for low Mach number, high lift conditions but underpredicted drag. The Texas A&M TRANSEP program showed good surface pressure correlation, but the cases run failed to give reasonable drag levels. The TRANDES and NYU Transonic codes showed good drag, lift, and surface pressure correlation at low and moderate lifts but failed to predict airfoil pitching moment. GRUMFOIL gives good surface pressure, lift, drag and pitching moment correlation for these conditions.

A LANGE CONTROL OF THE CONTROL OF TH

And the second of the second o

12

TABLE I. AIRFOIL CHARACTERISTICS

Configuration Airfoil Designation Airfoil Type	1 SC1095 Modern	2, 6-10* SSC-A09 Advanced	3 SSC-A07 Advanced	4 SSC-B08 Advanced	5 SC1094 Modern	R8 High Lift
Thickness Ratio, t/c Chord, inches feet meters x/c For Maximum Thickness x/c For Maximum Camber	.095 16.070 1.3392 .4082 .27	.090 17.290 1.4408 .4392 .38	.070 21.350 1.7792 .5423 .38	.080 19.685 1.6404 .5000 .38	.094 16.230 1.3525 .4122 .27	
Model Aspect Ratio Tunnel Height/Chord Distance From Trailing Edge To Wake Rake, Chords	8.21 8.21 2.06	7.63 7.63 1.86	6.18 6.18 1.36	6.71 6.71 1.54	8.13 8.13 2.03	
$C_{Lmax} \Theta M = 0.3$ $C_{Lmax} \Theta M = 0.4$	1.37	1.40	1.15	1.22	1.71	
$M_{DD} \in C_L = 0$	808	.833	.850	.865	. 78	
* Configuration 2 is clean SSC-A09 airfoil. modifications to simulate deicing boots or edge, 7 with faired aft edge), miniature prbumps (9 and 10).	SC-A09 airí deicing boc ge), miniat	r pr	9 airfoil. Configurations 6-10 incorporate ng boots or abrasion strips (6 with step af miniature pressure transducers (8), and con	inco with (8),	rporate step aft and contour	

TABLE II. COORDINATES FOR THE SC1095 AND SC1094 R8 AIRFOILS

	-			_						-													·-			
R8	Y/C)1	01729	0225	0277	0318	0344	0369	0380	0386	0389	0390	0390	0390	0390	0389	0384	0374	0360	0343	0323	0298	0238	0165	0086	0044	0017
SC1094	$\chi/C)_{\underline{u}}$	01729	1172	00333	.0057	.0158	.0291	.0367	.0416	.0452	. 0483	.0506	.0537	.0549	.0548	.0541	.0527	.0508	.0484	.0455	.0420	.0337	.0236	.0123	.0064	.0017
	Y/C) ₁	0	00317	00744	0155	0185	0259	0303	0329	0346	0362	0375	0390	0394	0393.	0387	0376	0362	0345	0324	0299	0239	0166	0087	0044	0017
SC1095	Y/C)u	0	.00389	86800.	.0155	.0233	.0334	.0395	.0438	.0470	.0497	.0517	.0546	.0555	.0554	.0545	.0529	.0511	.0485	.0457	.0421	.0337	.0236	.0124	.0064	.0017
	<u>3/x</u>	0	.0008	.004	.01			90.		.10	.125	.15	.20	.25	.30	.35	.40	.45	.50	.55	09.	. 70	.80	06	.95	00.1

TABLE II (concluded)

COORDINATES FOR THE SSC-A09, SSC-A07 AND SSC-B08 AIRFOILS

							-				_				_					-									
B08	Y/C)1	0	0030	0076	0104	0133	0168	0191	0207	0220	0233	0244	0260	0273	0282	0289	0293	0294	0292	0287	0280	0253	0207	0128	6900	0049	0037	0022	0004
SSC-B08	Y/C) _u	0	.0031	0800.	.0130	.0189	.0268	.0325	.0367	.0397	.0424	.0445	.0474	.0493	.0504	.0509	.0507	.0499	.0484	:0462	.0432	.0352	.0248	.0127	.0059	.0039	.0033	.0030	.0029
(Patent Pending)	x/c) ₁	0	0022	0050	0070	0091	0122	0145	0163	0178	0193	0207	0229	0246	0258	0266	0269	0268	0261	0249	0232	1085	0124	0058	0023	0018	6000	0007	9000-
SSC-A07	$Y/C)_{u}$.0031	.0077	.0116	.0167	.0237	.0287	.0323	.0349	.0372	.0388	.0410	. 0423	.0430	.0432	.0430	.0423	.0410	.0393	. 0369	.0303	.0203	.0088	.0034	.0023	.0017	.0016	.0019
SSC-A09 (Patent Pending)	Y/C)1	0	0029	0064	6800	0117	0157	0186	0209	0228	0249	0266	0295	0317	0332	0342	0346	0344	0336	0320	\sim		0159	0074	0030	0023	0016	6000	8000 -
SSC-A09	Y/C) _u	0	.0039	6600.	.0149	.0215	.0304	.0369	.0416	.0449	.0478	.0499	.0528	.0544	.0553	.0556	.0553	.0544	.0528	. 0505	.0475	. 0389	.0261	.0113	.0044	.0030	.0022	0	.0024
	2/X	0	8000.		.01	.02	.04	90.	80.	.10	.125	.15	.20	.25	.30	.35	.40	.45	.50	.55	09.	.70				.97	86.	66.	1.00

TTI

·

TABLE III. MODEL CONFIGURATION SUMMARY

Advanced Rotorcraft Airfoil Test
NASA Ames 11-Foot Transonic Wind Tunnel

Config	Identifier	Run Number
1.	SC1095 Airfoil	1 - 58
2	SSC-A09 Airfoil	59-83, 191-221
3	SSC-A07 Airfoil	84 - 115
4	SSC-B08 Airfoil	116 - 147
5	SC1094 R8 Airfoil	148 - 190
9	SSC-A09 Airfoil With Unfaired De-icing Boot	222 - 235
7	SSC-A09 Airfoil With Faired De-icing Boot	236 - 256
Φ	SSC-A09 Airfoil With Simulated Pressure Transducer	257 - 268
6	SSC-A09 Airfoil With Upper Surface Bump at $X/C = 50\%$	269 - 284
10	SSC-A09 Airfoil With Upper Surface Bumps at $X/C = 10\%$ and 50%	285 - 286

Remarks	Data System Checks Balance Trial Loading Balance Trial Loading Data System Checks Balance Trial Loading No Data Balance Trial Loading Balance Pitching Moment Check Loading Balance Pitching Moment Check Loading Balance Axial Force Check Loading Balance Chord Force Check Loading Balance Chord Force Check Loading Shake Down Run Scanivalve Check Hysteresis and Repeatibility Check Runs Scanivalve Check Scanivalve Check Scanivalve Check Scanivalve Check	Repeat of Run 25 Scanivalve Check
Angle of Attack Range (deg)	Configuration 1 0 -5 -5 -5 -5 -5 -5 -5 -5 -5	0 -5 to 11 0 -3 to 8
Nominal Mach No.	.°° → °° · · · °° · · °° · °° · °° · °°	. 7 0 8
Total Pressure PT(in Hg)	Airfoil Installed 30 35 30.0 42 42 42 30 30 30 30 30	30 35. 30
T Run No.	SC1095 1 2 3 4 4 6 7 6 10 11 11 11 12 13 16 16 17 18 18 18 18 18 18 18 18 22 22 23 24 25	27 28 29 30

TABLE IV. RUN LOG (Continued)

Remarks		Repeat of Run 24					Includes Bilinear Scanivalve Check				•					Scanivalve Check		Shutdown to Check Seals.	Two Screws broken	Scanivalve Check		Continuation of Run 49	No Data	Scanivalve Check				N3 Check Load		Scanivalve Check		
Angle of Attack Range (deg)	-1, 0 0, 6	0, to 11	9-	9-	9-	9-	9-	-0.8,0,6	9 0	9			•	~	-0.6,-0.4	0	9,0	-2 to 0		0	9,0.	-1 to 5	i	0	9,0	-2 to 0	-1 to 0		nfiguration 2	0	9'0	0 to 15
Mach No.	8 4	. •	.7	.75	.775	.80	.82	4.	₹.	.7	.75	.775	.80	.82	.84	0	4.	6.		0	4.	σ.	!	0	4.	86.	1.07	0	Installed, Config	0	4.	.3
PT(in Hg)	30	30	30	30	30	30	30	30	30	30	_				_	35	30	30		32	30	30	1					!	Airfoil	35	30	42
Run No.	31	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49		20	51	52	53	54	55	26	57	58	SSC-A09	59	09	61

TABLE IV. RUN LOG (Continued)

	Remarks	Scanivalve Check				Scanivalve Check		Continuation of Run 65					-								Scanivalve Check		Run Aborted - Panel Oscillations	Caused Broken Panel Screw	Acad an extension		Scanivalve Check			Static Data System Check	Wake Rake Survey, Oil Flow		Scanivalve Check	
Angle of Attack	Range (deg)		-5 to 18		-4 to 13	5	9,0	0,11 to 16	-3 to 11	-3 to 8		-1.3 to -0.7		-1.3	-1.3	£.4.	-1.3 to -0.8		-0.8	-1.3	0	8 to 0	0	on figuration 2		-5.0	. 0	-5 to 14	0 to 14	0	9	-5 to 12	0	-3 to 16
	Mach No.	٥,	ů,	4, 4	٠.	>	4,	9.	.7	φ.	.82	.84	98.	.88	.7	.75	.775	æ.	.82	.84	0	.75 to .90	06.	Installed Confid	.	4.	0	4.	۳.	0	4.	5.	0	9.
	PT(in Hg)	35	9° -	- •	- 20	130	30								•				•	-	35	30	30	Airfoil Inc	4 _	30	35	30	42	30	30	30	35	30
	Run No.	62	63	64 6.5	69	00	67	89	69	70	71	72	73	74	75	16	77	78	79	80	81	82	83	28C-A07	84	85	98	87	88	89	90	91	92	93

TABLE IV. RUN LOG (Continued)

Remarks	Scanivalve Check			Scanivalve Check	End Zero Balance Normal Force Check Loading Balance Pitching Moment Check Loading Balance Chord Force Check Loading	No Data No Data Balance Normal Force Check Loading Balance Chord Force Check Loading Balance Pitching Moment Check Loading	Repeat of 121 Includes Scanivalve Check at Pt = 35 Scanivalve Check
Angle of Attack Range (deg)	0,0 0,0	-2 to 6 0,6 0.1 0.1, 0.2 0.2 to 0.5	0.4 0.4 -0.2 to 2.6 0.6		0 8		0,6 -5 to 18 -5 to 18 0
Mach No.	0	.8 .4 .7 .75	න සිනු දැන් දැන්	0.0 4.9 86.1		0	► · · · · · · · · · · · · · · · · · · ·
PT(in Hg)	30 35	30	<u>-</u>	30	• irfo: 1	1	30
Run No.	94 95 96	97 98 99 100 101	102 104 105	107 108 109 110	112 113 114 115 SSC-ROB	, , , , , , , ,	121 122 123 124 125

		-					-			_	_																
Remarks	Scanivalve Check	Includes Repeat Points		End Zero Scanivalve Check										Scanivalve Check						scanivalve check	Oil Flow			Scanivalve Check		Scanivalve Check	Repeat of Run 150, Oil Flow
Angle of Attack Range (deg)	0 to 15 0	0, 6, 12 -5 to 16	-2 to 9	0	-1.5 to 8	1 to 0	o c) O	0	-0.4, 0.2	-0.4.0	-0.5,0	0 to 13	0	-2 to 4	-1.3 to 2	-1.3 to 1	0,6,12	contiguración o	, , ,	7,7	ب	-5 to 18	0	-5 to 18	0	12 to 15
Mach No.	. 0	4.0.	۲.	00	æ.	.7	.75	σ.	.82	.84	98.	88.	4.	0	6.	86.	1.07	4.	instailed contr		4.	4.		0	е.	0	₽.
PT(in Hg)	42 35	30		35	30	_						····••••••••••••••••••••••••••••••••••	-	35	30				25	ה כ ה	or •			35	42	35	30
Run No.	126 127	128 129	130	132	133	134	135	137	138	139	140	141		143	144	145	146		140	0 7 1	149	150	151	152	153	154	155

TABLE IV. RUN LOG (Continued)

Remarks	Scanivalve Check				Scanivalve Check				Scanivalve Check		End/Start Zeros		-					-							Balance Normal Force Check Loadings	Balance Chord Force Check Loading	Normal		Balance Fitching Moment Check Loading
Angle of Attack Range (deg)	-5 to 10 0	-0.3	6.0, 6.0- 0,6	-5 to 16	0 0	0,6 -5 5 to 11	-2 to 8		0	0 to 18	0	0 to 20	0 to 20	0	1.6, 3.6	1.3, 3.3	-1 to 3	-1 to 3		-1 to 3		•		9 '0	0			-	la de la companya de
Mach No.	9.0	æ. 5	4.	9.	o '	4. 1-	· œ	.85	0	e.	0	₹.	.35	4.	9.	. 65	.7	.725	. 75	.775	. 82	.84	.86	4.	0			-	-
PT(in Hg)	30 35	30		-	35	30 -		-	35	42	30	42	42	30	-		_								1			-	
Run No.	156 157	158	160	191	162	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	180	181	182	183	184	185	186	187	188

	Remarks	Balance Chord Force Check Loading	•	Bilinear Scanivalve Check	Balance Normal Force Check Loading	Balance Chord Force Check Loading	Balance Pitching Moment Check Loading	Scanivalve Check		Wake Rake Survey	Repeat of Run 196	Repeat of Run 61		Scanivalve Check				Scanivalve Check					Static Data Check				End Zero	Includes Scanivalve Check, Repeat				
Angle	of Attack Range (deg)	0 •	quration 2		-	1-		>	1 to 17	3,4, 6	3 to 17	-2.6 to 17	-1 to 17	0	9,0	-2.5 to 17	-0.1 to 10		9'0	-0.2 to 6	-0.3 to 5	0.2 to 5	0	0 to 3	-0.5 to 2	9,0	0	0 to 18	-0.4,-0.5	-0.5	-0.4	1.0
	Mach No.	0+	Installed, Confi	0				•	4.	9.	₹.	۴,	4.	0	₹.	.5	9.	0	4.	.7	φ.	6.	0	86.	1.07	₹.	0	e.	.75	.775	æ. ˈ	.82
-	PT(in Hg)	1-	Airfoil	30			-	35	30		-	42	42	35	30	42	42	35	30	42	42	30	•	30	30	30	-	42	42			
	Run No.	189	SSC-A09	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	~	218	219

TABLE IV. RUN LOG (Continued)

Remarks	End Zero	9	Scanivalve Check				End Zero	cludes s	Shutdown, Bad α Output Scanivalve Check					No Data		End Zero
Angle of Attack Range (deg)	1.4	Boot, Configuration 6 -2.3 to 17 -2.4 to 16 -2 to 8	0 -2 to 17	9 ` 0	00	0, -0.5 -0.5 -0.5	0	De-Icing Boot, Configuration / -2 to 15	9,0	0 + 0 16	0.1	0-0.4	-0.3	-0.4 0	-0.4 -0.4	0
Mach No.	. 84	Unfaired De-Icing Boot, .4 -26 -2.	0 .	. 75	.83	8. 9. 8. 8.	0	Faired	4. 0		. .	.75 .775	ထင့်	84	. 88 . 88	0
PT(in Hg)	4 2 30	Airfoil 30 30 30	35 42	30			-	Airf	30 35	300	0 0 8 0	30		<u>.</u>		→
Run No.	220 221	SSC-A09 222 223 224	225 226	227 228 229	230 231	232	235	SSC-A09 236	237	239	241	242	244	245 246	247 248	249

TABLE IV. RUN LOG (Continued)

Remarks	Includes Scanivalve Check,	Scanivalve Check					End Zero Scanivalve Check	Configuration												the state of the s	Sarrace contour bump at A/c = 50%, configuration 9	Scalityaive clieck				End Zero				
Angle of Attack Range (deg)	0	0	-2 to 18	9.0	0	• •	• 0	ressure Transducers.		-1 to 16	-2 to 16	to	to	0	0	0	0	0	0 6	O With Hoper Surface Con	C	-1 to 16	12			0	0,0.4	0.4	0.4	0.0 4.4.
Mach No.	۳.	0	۴.	4.	∞.	.84	0	Simulated Pressure	4.	4.	9.	Φ.	۳.	.75	.775	œ .	.82	.84	.87	Contour	0	, 7 .	9.	φ.	9.	0	.75	.775	æ. (. 82 . 84
PT(in Hg)	42		42				1	Airfoil With	30			_		30	-	-				Airfoil With	35	30	_							-
Run No.	250	251	252	253	254	255	256	SSC-A09	257	258	259	260	261	262	263	264	597	266	267	SSC-A09	269	270	271	272	273	274	275	276	- [279

11 111

TABLE IV. RUN LOG (Continued)

;	Configuration 10	of Test
Renarks	0.4 0.4 0,6 -2 to 16 End Zero 0 End Zero Surface Contour Bumps at X/C = 10% and 50%, Configuration 10	End Zero, End of Test
Angle of Attack Range (deg)	0.4 0.4 0,6 -2 to 16 0 e Contour Bumps at	-0 to 18 0
Mach No.	.88 .88 .4 .3 .3	4.0
PT(in Hg)	30 42 30 9 Airfoil With	30
Run No.	280 281 282 283 284 SCC-A09	285 286

TABLE V. ESTIMATED DATA ACCURACY

(Based on 10 Deviations)

	Balan	Balance Data		Press	Pressure Data	
	- Market - 19-20.	Coefficio	Coefficient Values		Coefficie	Coefficient Values
		M = 0.4	M=0.6		$\mathbf{M} = 0.4$	$\mathbf{M} = 0.6$
Lift	± 1.9 kg	±.022	1.007	± 1.0 kg	1.012	±.005
Drag	± 1.5 kg	1.0170	₹.0060	± 0.07 kg	₹.0008	±.0004*
Pitching Moment	t 3.1 n-m	₹.009	1.003	1.4 n-m	₹.004	±.002
Surface Pressure Coefficients	!	1.01	1.01	;	1.01	1.01
Angle of Attack	± 0.1 deg	!	!	± 0.1 deg	;	!
* Not including errors caused by	rrors caused by		non-axial wake disturbances	J.Cess.		
	•			• •		-

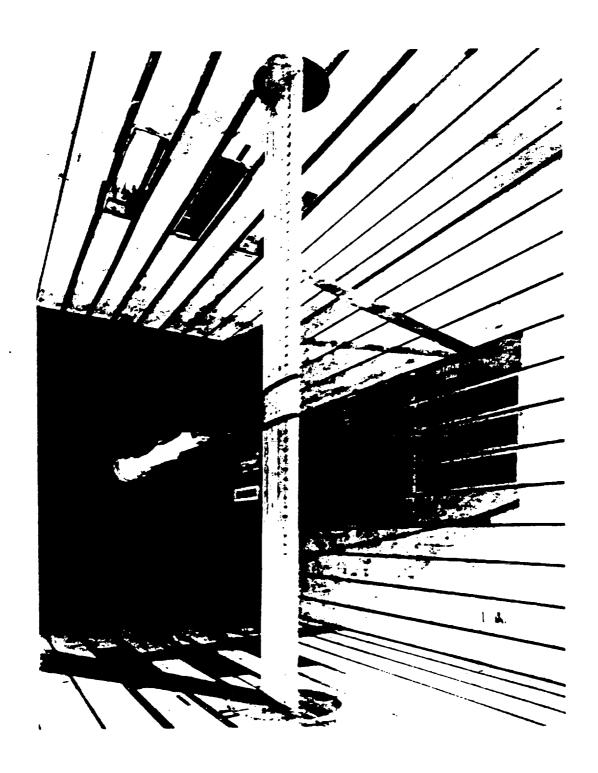


Figure 1. TSA installed in the Ameś Eleven-Foot Transonic Wind Tunnel.

OFIGINAL PAGE IS DE ROOR QUALITY

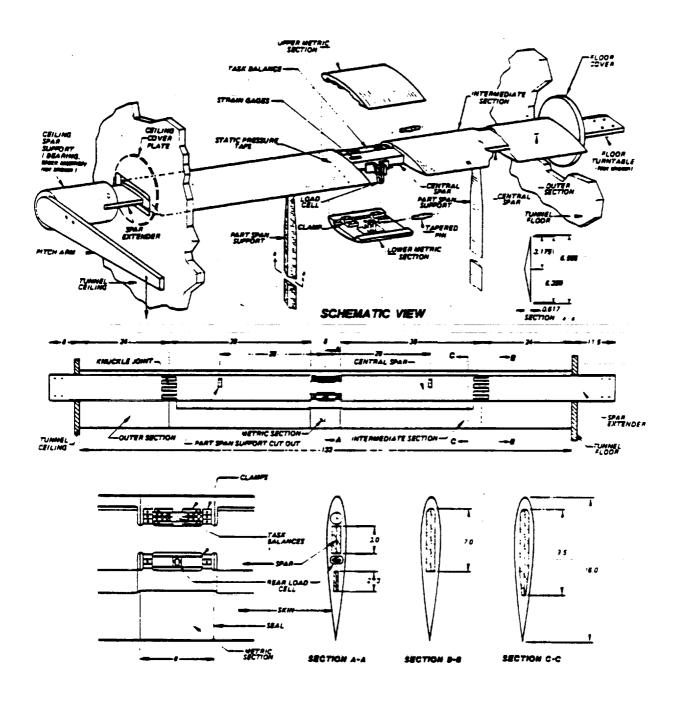


Figure 2. TSA schematic.

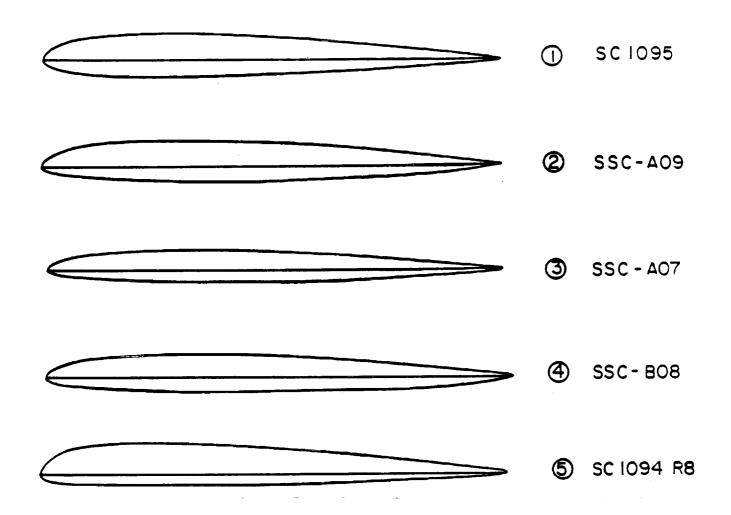


Figure 3. Airfoil section profiles.

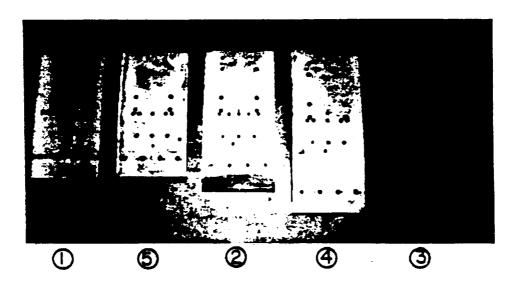


Figure 4. Airfoil metric sections.

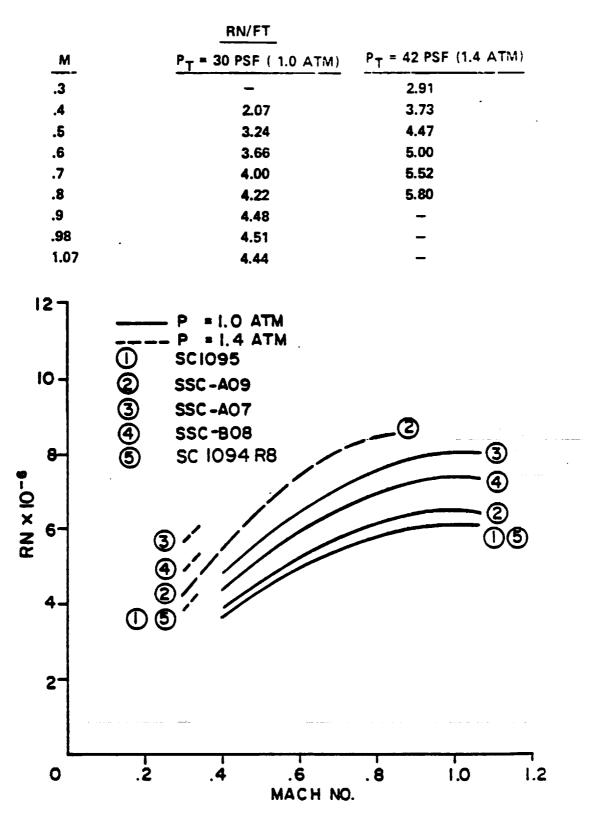


Figure 5. Test Reynolds numbers.

ORIGINAL PAGE 13 OF POOR QUALITY

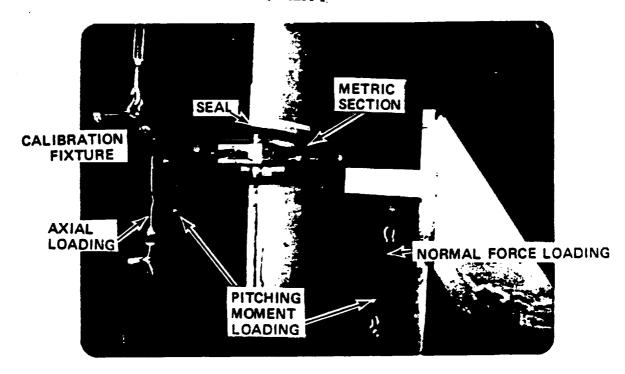


Figure 6. Metric section calibration fixture.

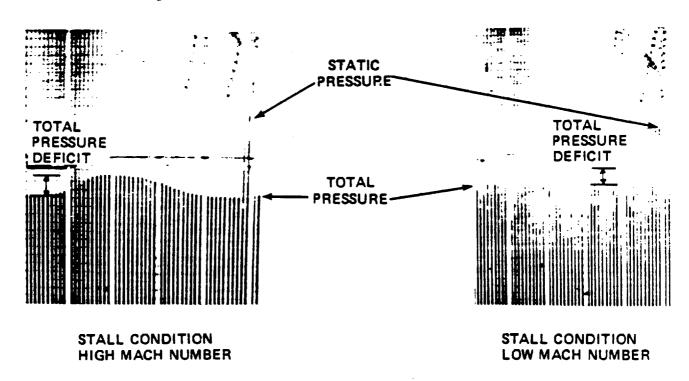
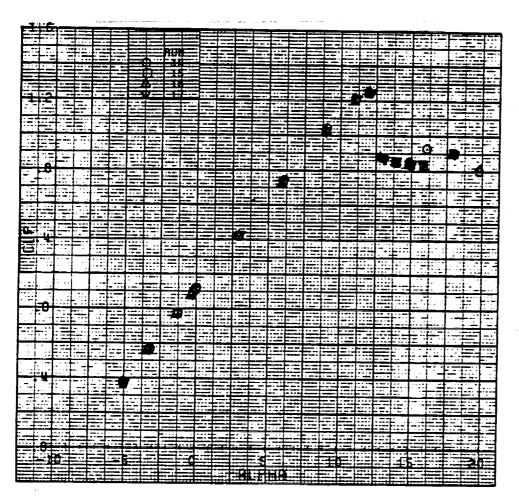
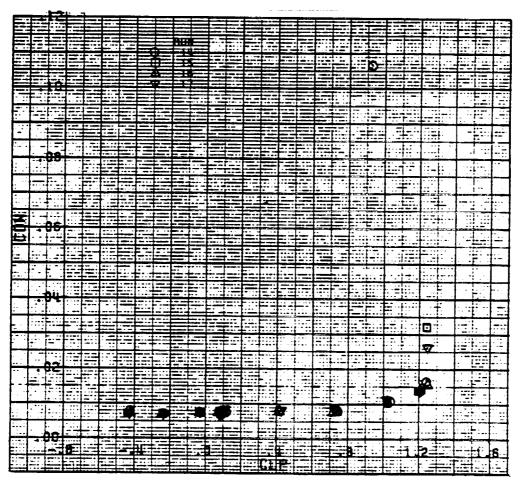


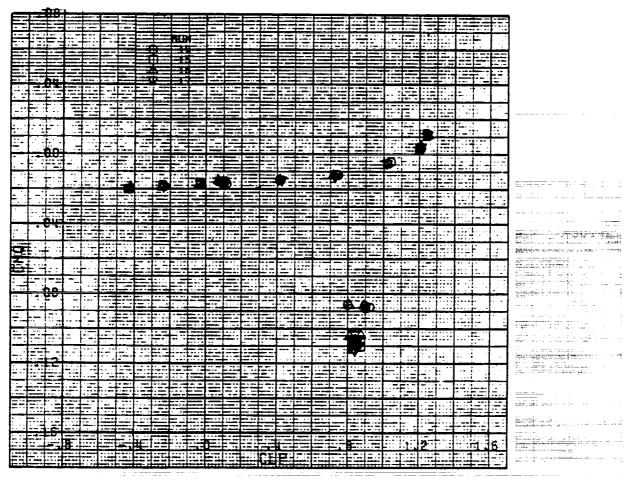
Figure 7. Representative manometer board wake rake profiles.



(a) Lift coefficient versus angle of attack Figure 8.-Data repeatability - SC1095 airfoil, Mach number = 0.40.



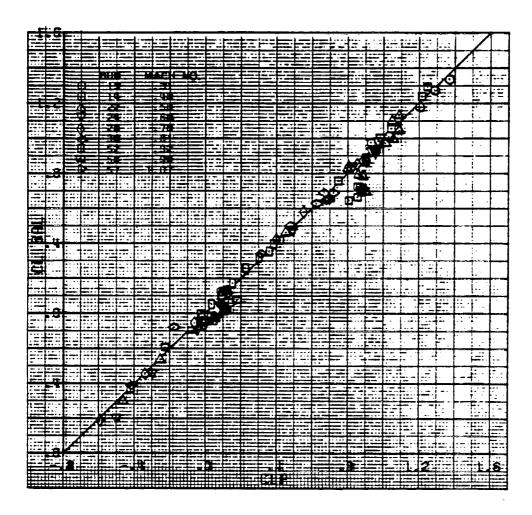
(b) Drag coefficient versus lift coefficient Figure 8.—Continued.



(c) Pitching Moment coefficient versus lift coefficient

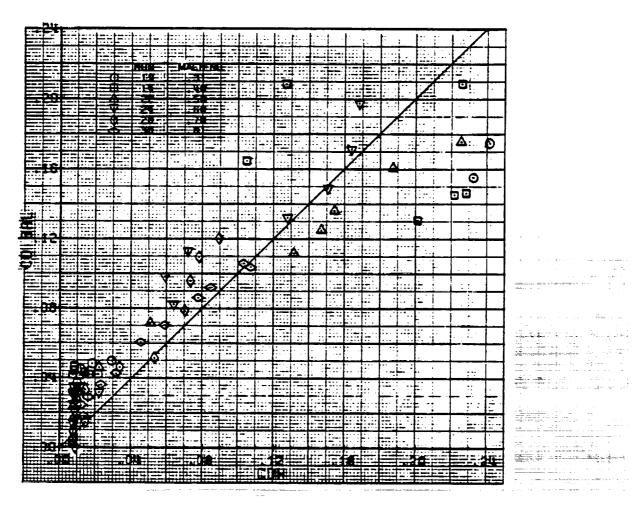
Figure 8.-Concluded.

ORIGINAL PAGE IS OF POOR QUALITY



(a) Lift

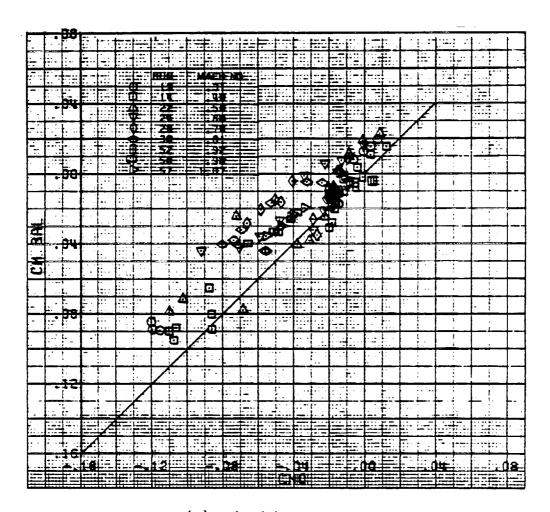
Figure 9.— Balance measurement correlation with pressure measurements.



(b) Drag

Figure 9.-Continued.

ORIGINAL PAGE IS OF POOR QUALITY



(c) Pitching moment

Figure 9.-Concluded.

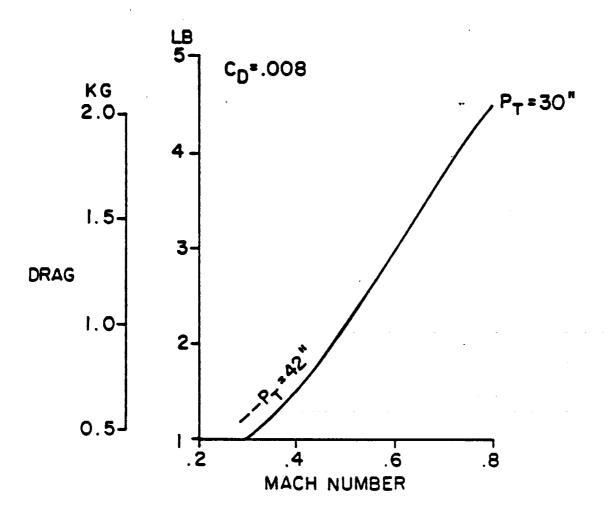
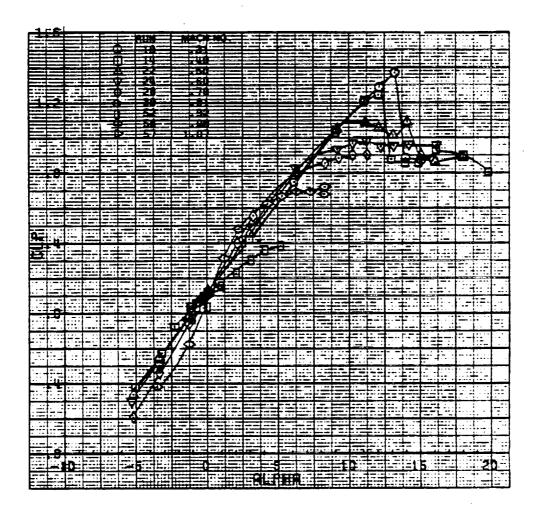
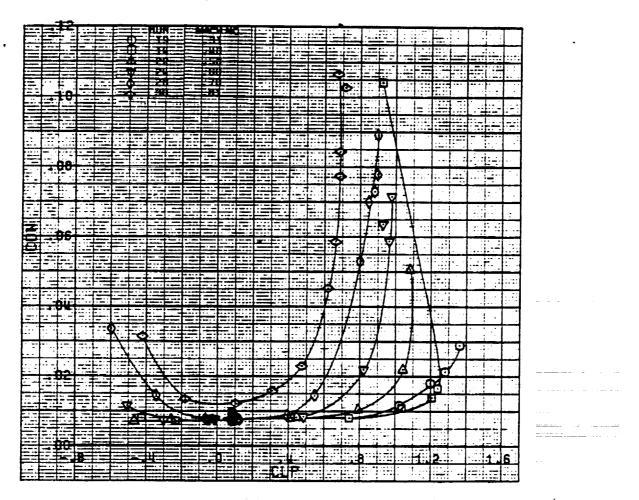


Figure 10. Drag for a drag coefficient of 0.008.



(a) Lift coefficient versus angle of attack

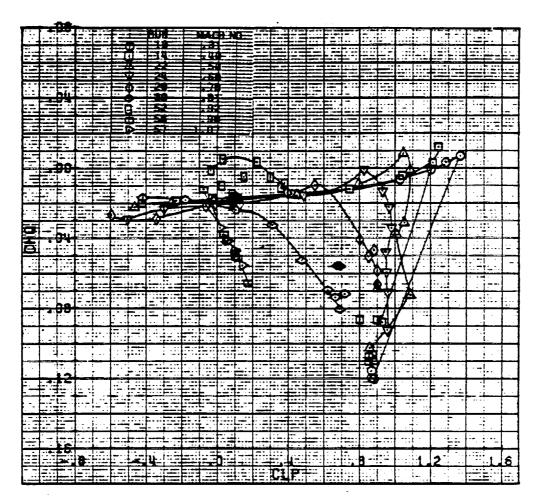
Figure 11.— Aerodynamic characteristics of the SC1095 airfoil.



(b) Drag coefficient versus lift coefficient

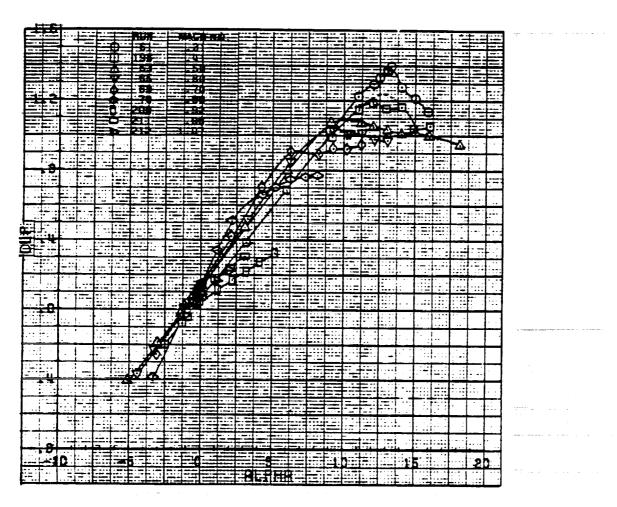
Figure 11.-Continued.

ORIGINAL PAGE IS OF POOR QUALITY



(c) Pitching moment coefficient versus lift coefficient

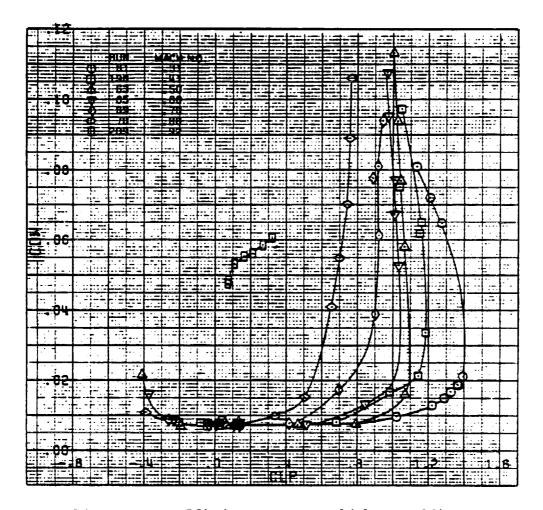
Figure 11.-Concluded.



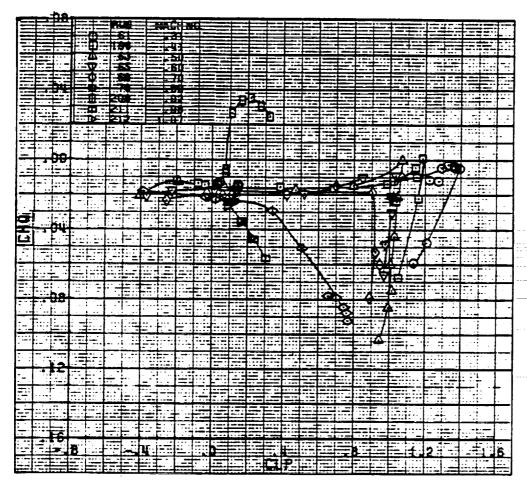
(a) Lift coefficient versus angle of attack

Figure 12. - Aerodynamic characteristics of the SSC-A09 airfoil.

ORIGINAL PAGE IS OF POOR QUALITY

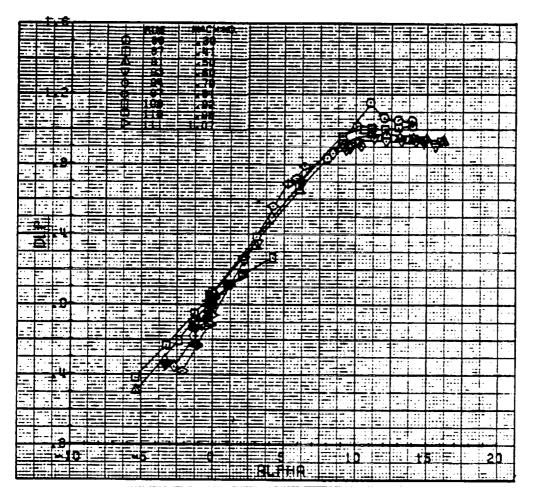


(b) Drag coefficient versus lift coefficient
Figure 12.-Continued.



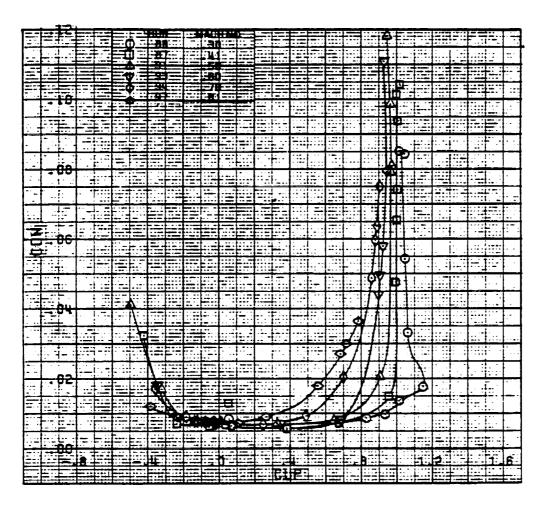
(c) Pitching moment coefficient versus lift coefficient

Figure 12.-Concluded.



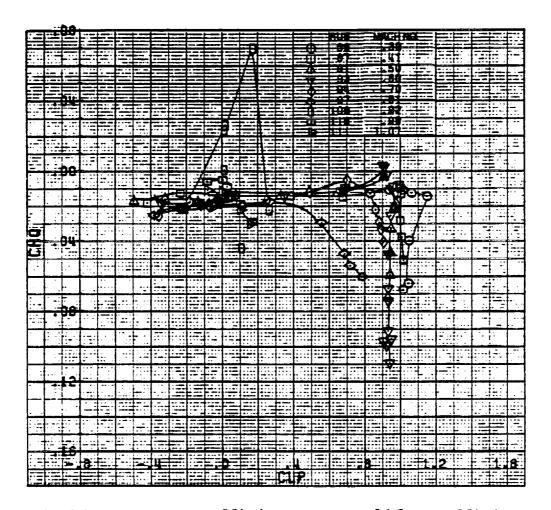
(a) Lift coefficient versus angle of attack

Figure 13. - Aerodynamic characteristics of the SSC-A07 airfoil.



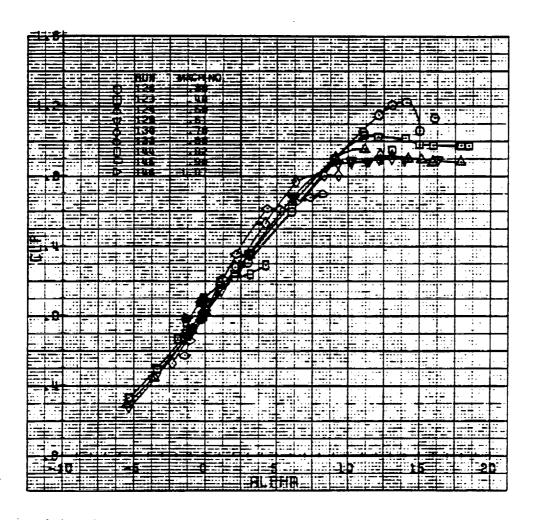
(b) Drag coefficient versus lift coefficient

Figure 13.—Continued.

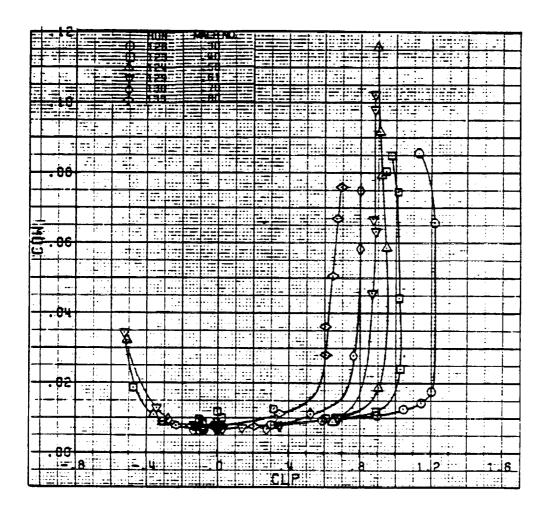


(c) Pitching moment coefficient versus lift coefficient

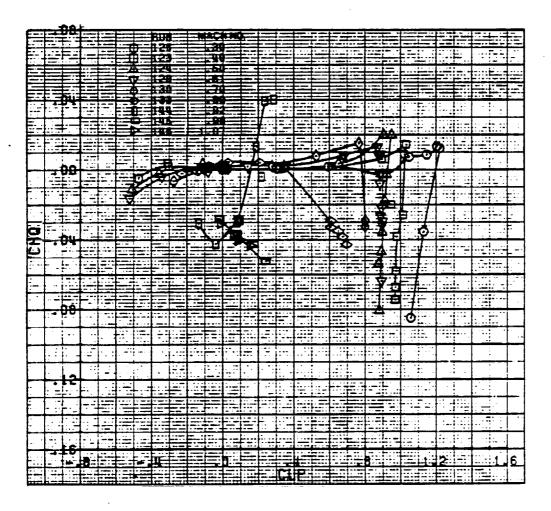
Figure 13.—Concluded.



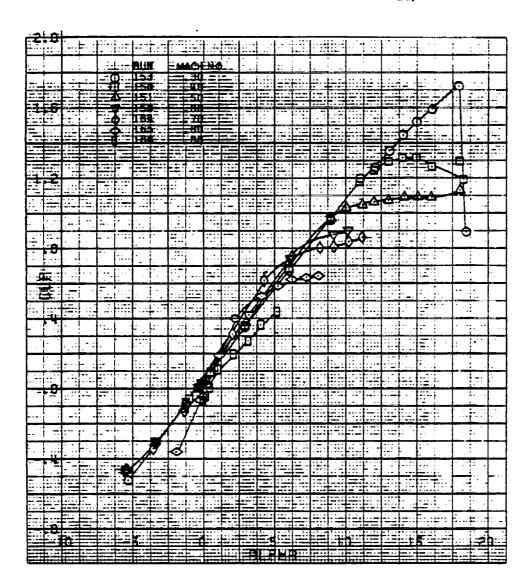
(a) Lift coefficient versus angle of attack
Figure 14. - Aerodynamic characteristics of the SSC-BO8 airfoil.



(b) Drag coefficient versus lift coefficient
Figure 14.-Continued.

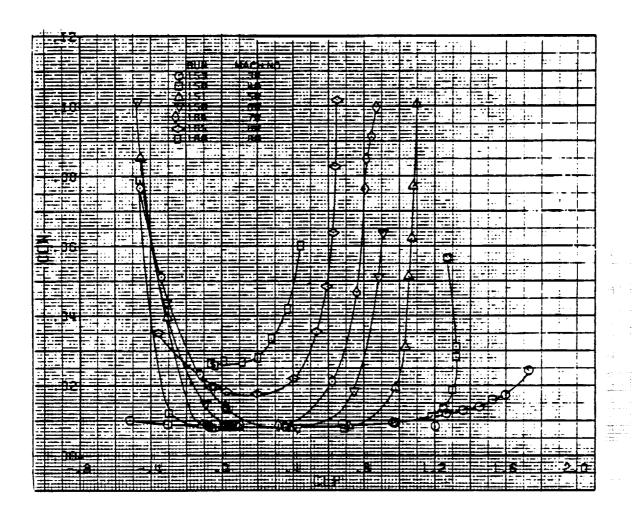


(c) Pitching moment coefficient versus lift coefficient
Figure 14.—Concluded.



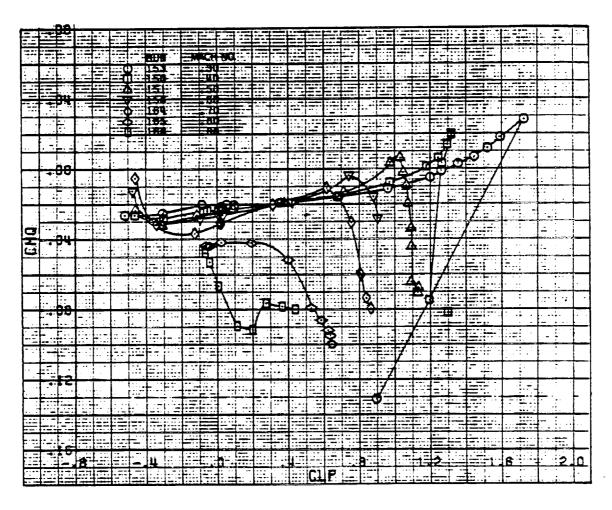
(a) Lift coefficient versus angle of attack

Figure 15. - Aerodynamic characteristics of the SC1094 R8 airfoil.

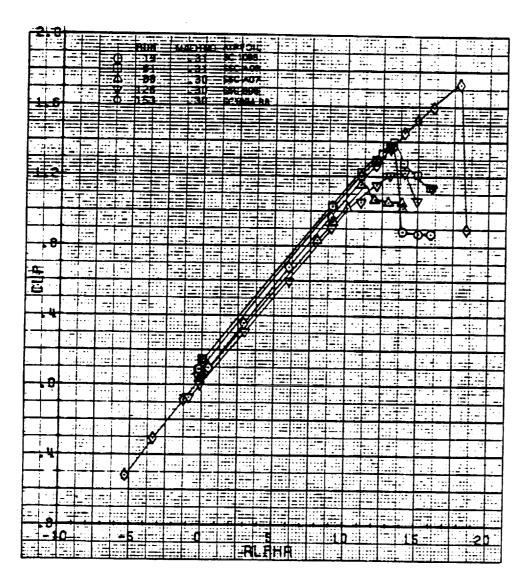


(b) Drag coefficient versus lift coefficient

Figure 15.-Continued.

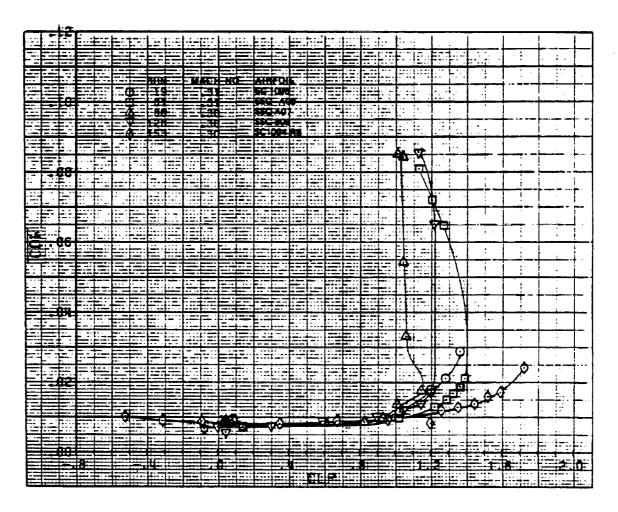


(c) Pitching moment coefficient versus lift coefficient
Figure 15-Concluded.

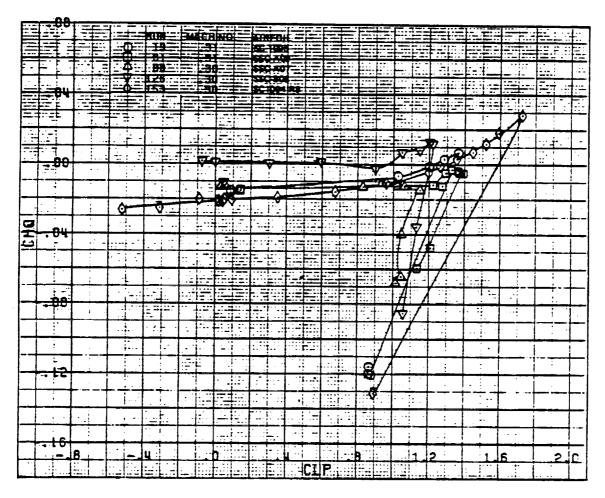


(a) Lift coefficient versus angle of attack

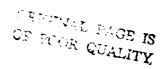
Figure 16. - Aerodynamic characteristics at a Mach number of 0.30.

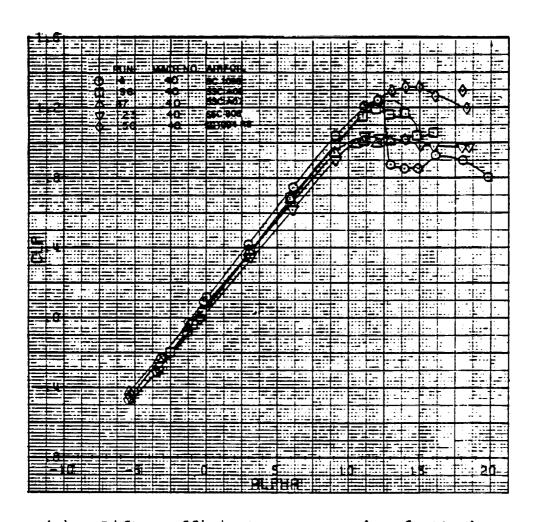


(b) Drag coefficient versus lift coefficient
Figure 16.-Continued.

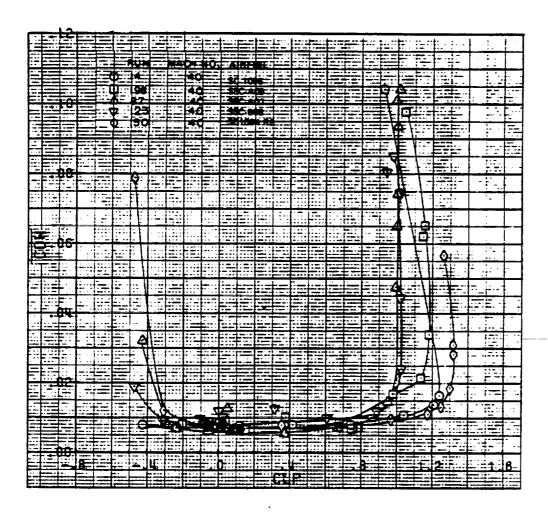


(c) Pitching moment coefficient versus lift coefficient
Figure 16.—Concluded.





(a) Lift coefficient versus angle of attack
Figure 17.— Aerodynamic characteristics at a Mach number of 0.40.



(b) Drag coefficient versus lift coefficient Figure 17.—Continued.

· 11 TH

CRIGINAL PAGE IS OF POOR QUALITY

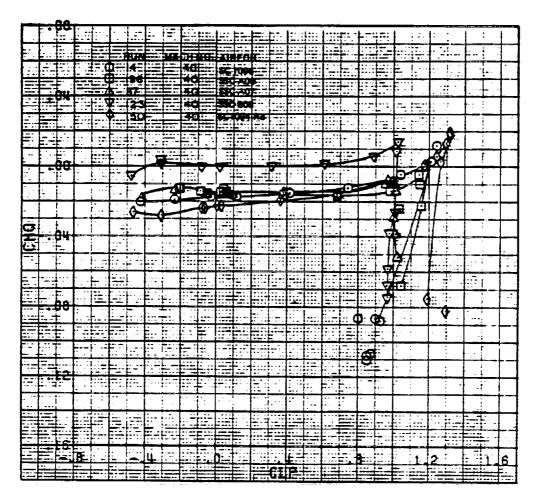
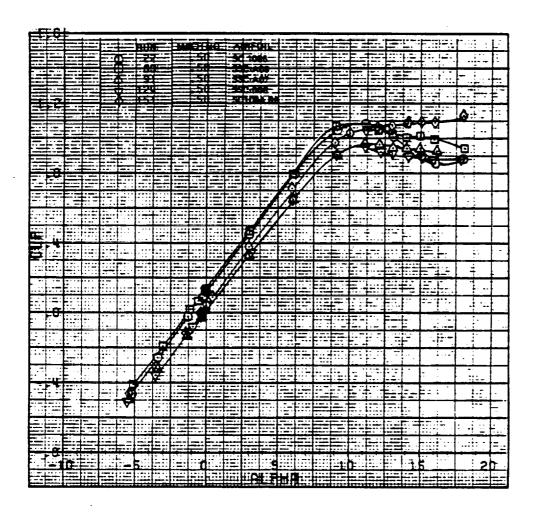


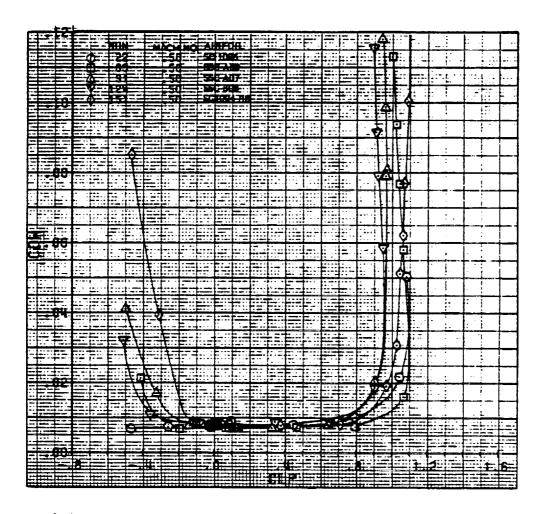
Figure 17.—Concluded.

ORIGINAL PAGE IS DE SOOR QUALITY



(a) Lift coefficient versus angle of attackFigure 18.— Aerodynamic characteristics at a Mach number of 0.50.

ORIGINAL PAGE IS OF POOR QUALITY



(b) Drag coefficient versus lift coefficient

Figure 18.—Continued.

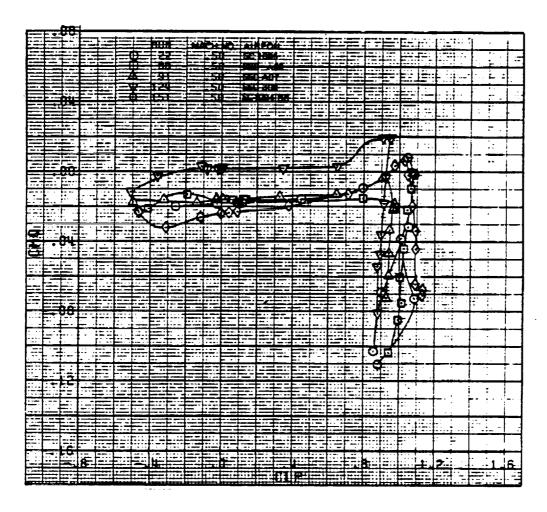
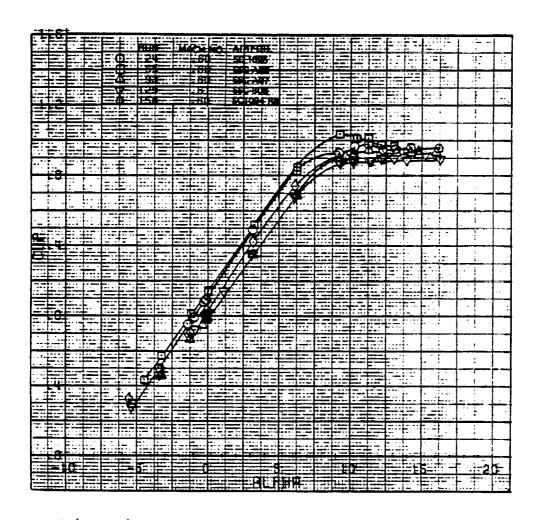


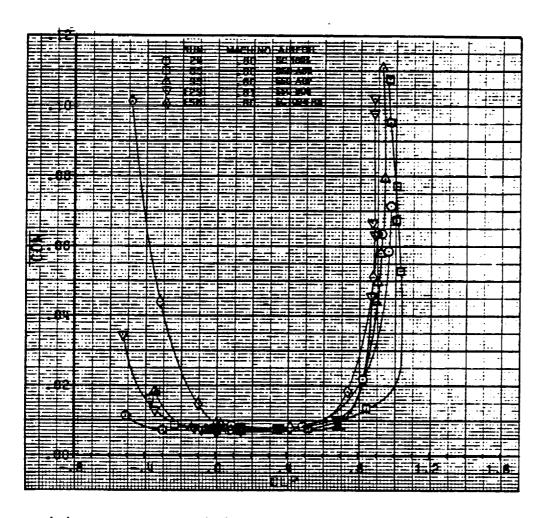
Figure 18.—Concluded.

ORIGINAL PAGE IS OF POOR QUALITY



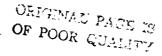
(a) Lift coefficient versus angle of attack

Figure 19.—Aerodynamic characteristics at a Mach number of 0.60.



(b) Drag coefficient versus lift coefficient

Figure 19.—Continued.



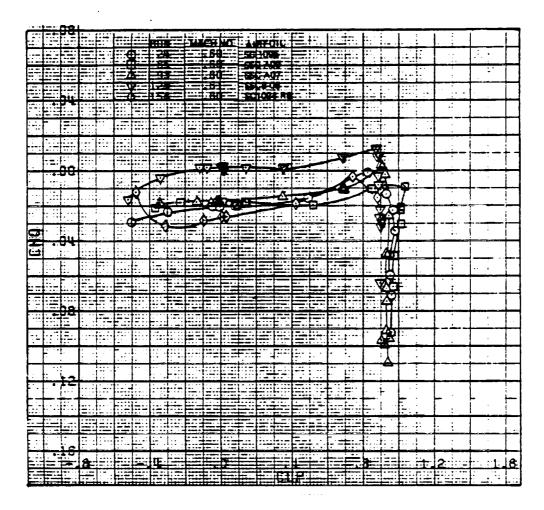
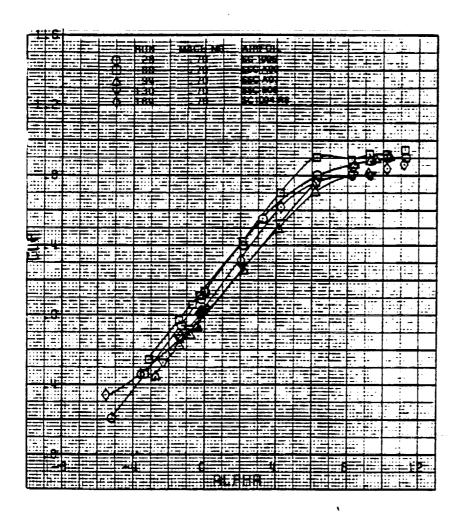
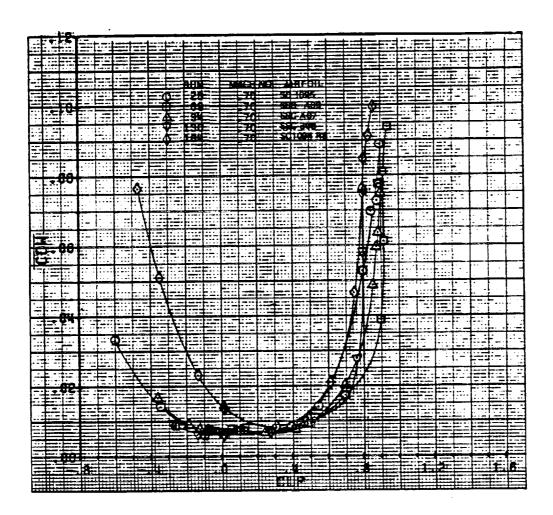


Figure 19.-Concluded.



(a) Lift coefficient versus angle of attackFigure 20.—Aerodynamic characteristics at a Mach number of 0.70.



(b) Drag coefficient versus lift coefficient Figure 20.—Continued.

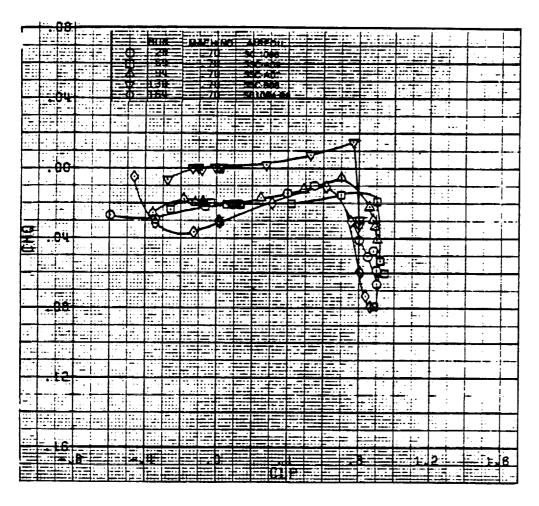
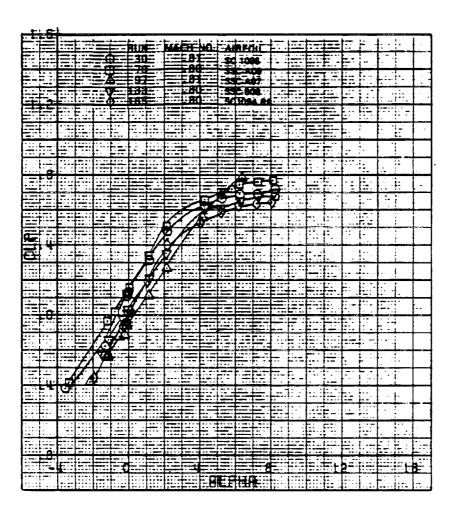
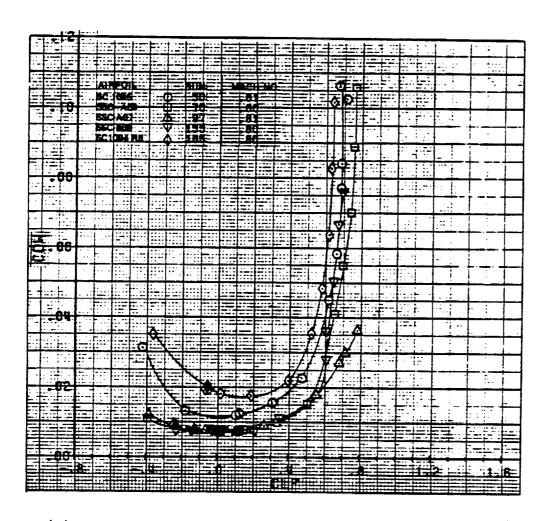


Figure 20.-Concluded.



(a) Lift coefficient versus angle of attack

Figure 21.—Aerodynamic characteristics at a Mach number of 0.30.



(b) Drag coefficient versus lift coefficient Figure 21.—Continued.

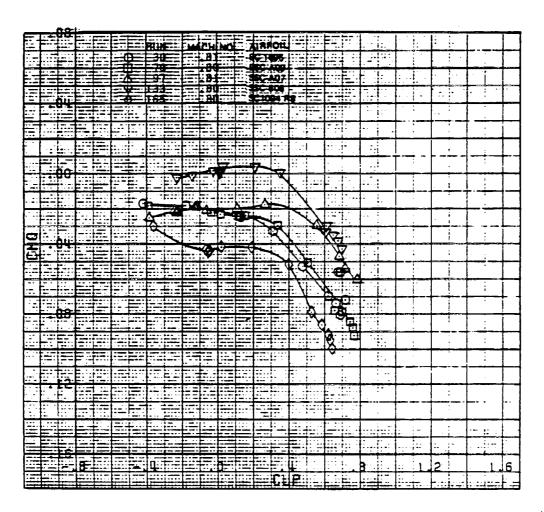
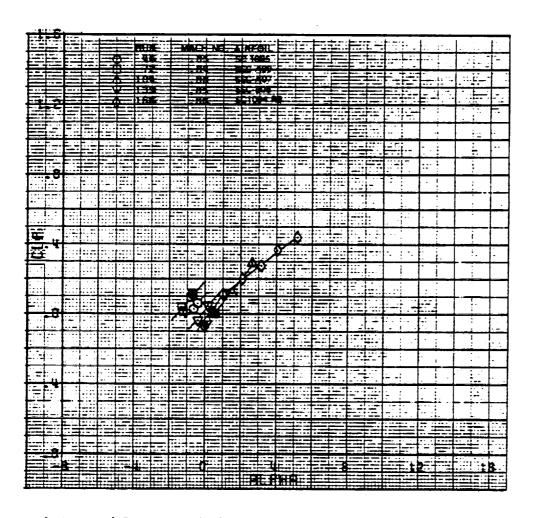
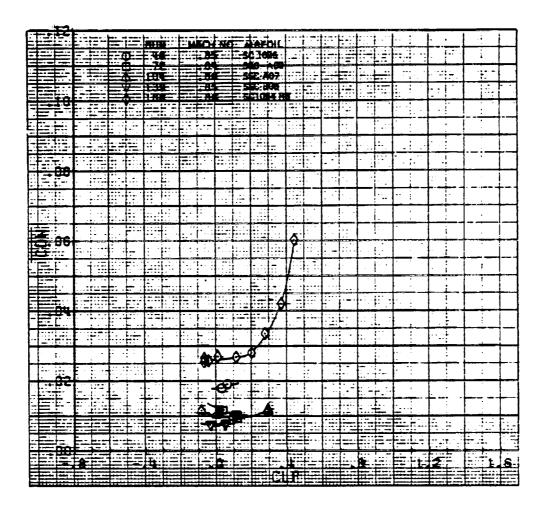


Figure 21.—Concluded.



(a) Lift coefficient versus angle of attack

Figure 22.—Aerodynamic characteristics at a Mach number of 0.85.



(b) Drag coefficient versus lift coefficient

Figure 22.-Continued.

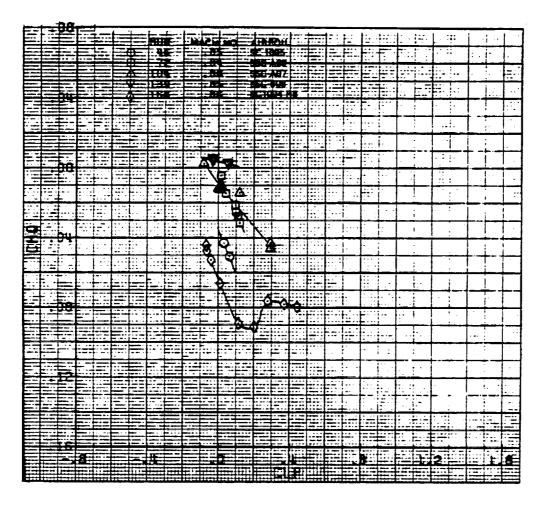


Figure 22.-Concluded.

ORIGINAL PAGE IS OF POOR QUALITY

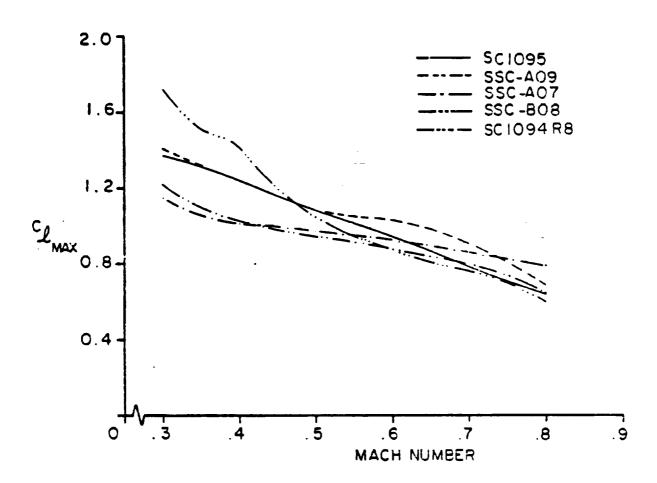


Figure 23.— Variation in maximum lift coefficient versus Mach number.

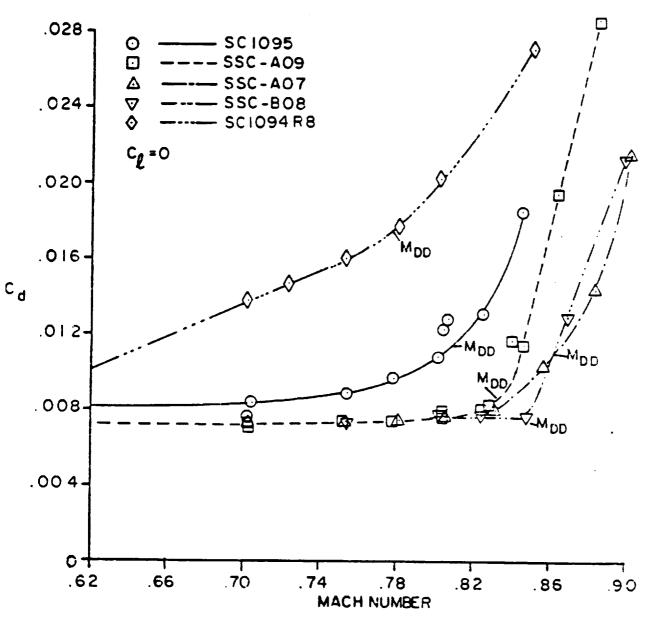


Figure 24. - Variation in drag coefficient at zero lift versus Mach number.

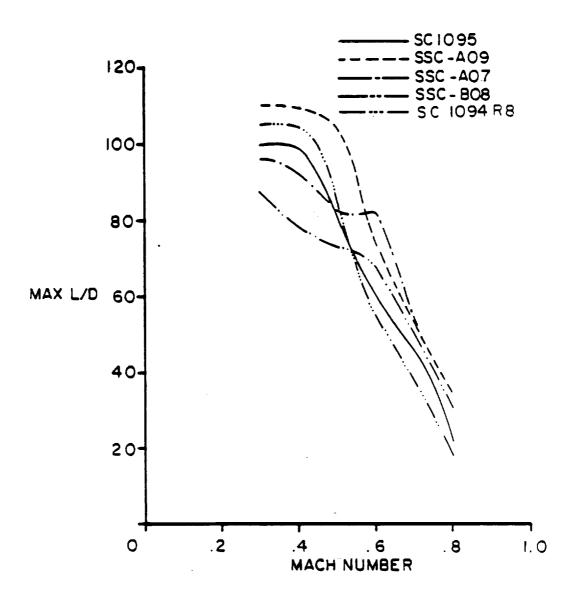


Figure 25.- Maximum L/D versus Mach number.

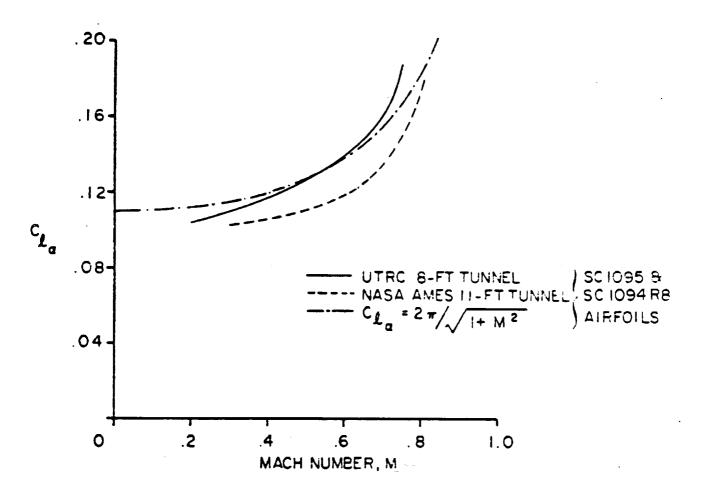
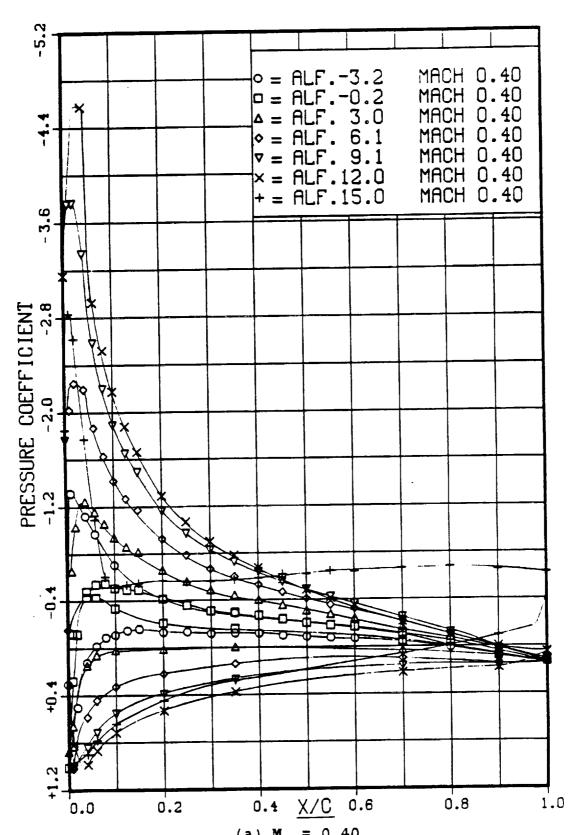


Figure 26.— Lift curve slope correlation.



(a) M = 0.40 Figure 27.—Pressure coefficient distribution for the SC1095 airfell.

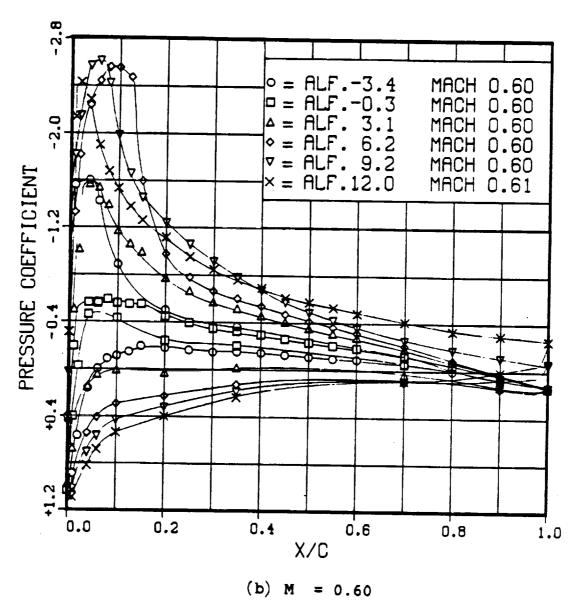


Figure 27.—Continued.

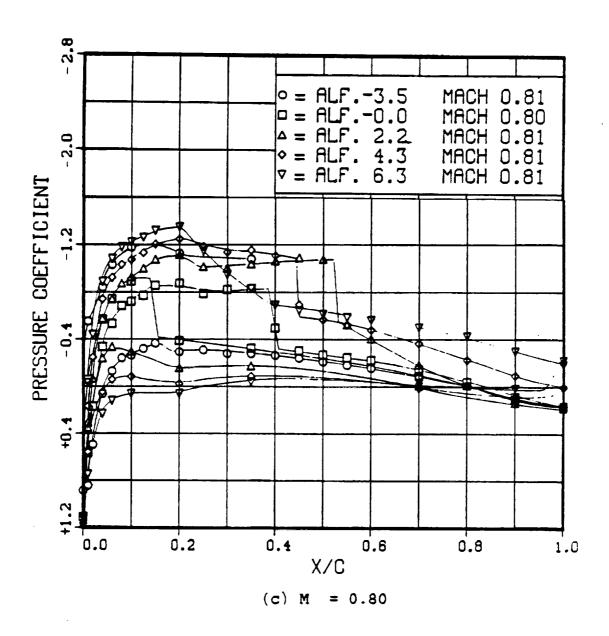


Figure 27.-Concluded.

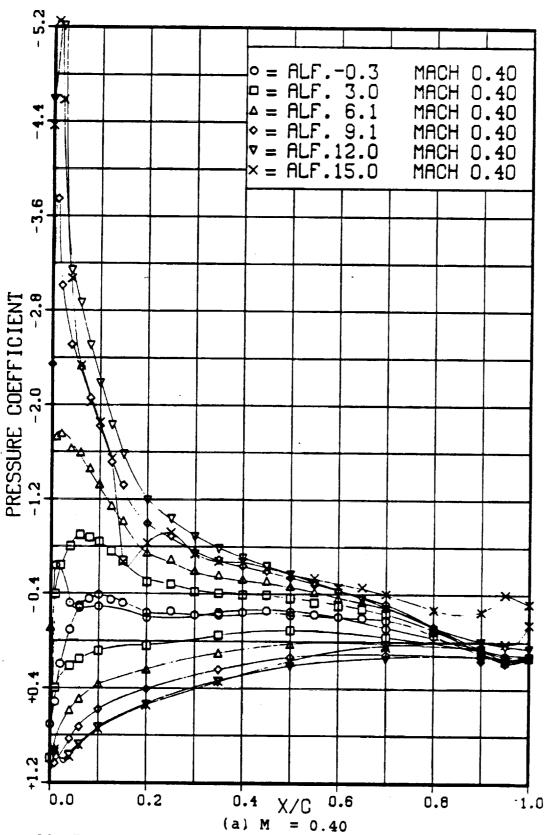


Figure 28.-Pressure coefficient distribution for the SSC-A09 airfoil.

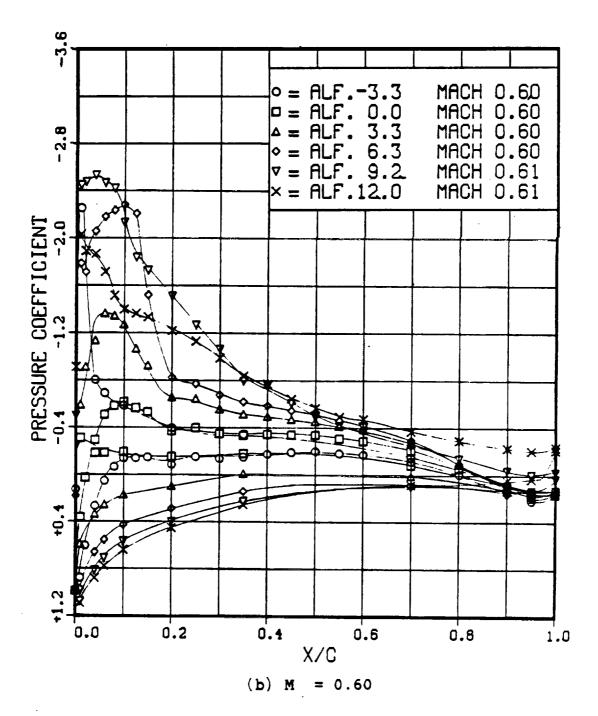


Figure 28.-Continued.

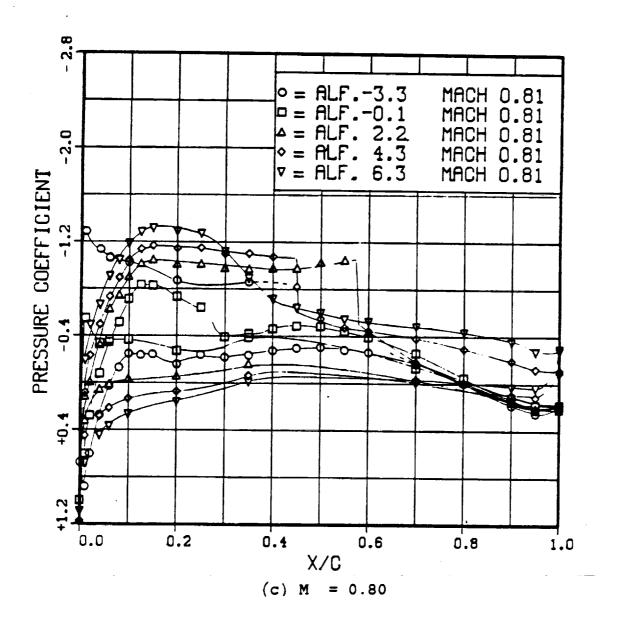


Figure 28.-Concluded.

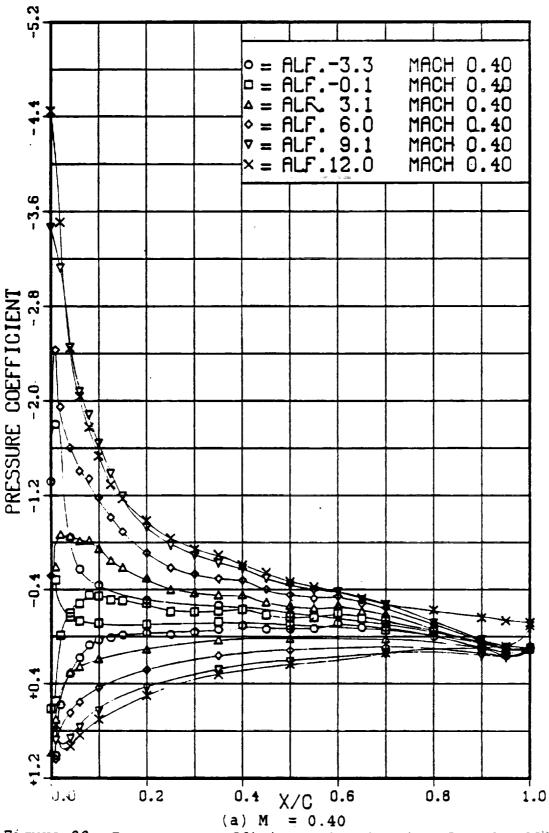


Figure 29.-Pressure coefficient distribution for the SSC-A07 airfoil.

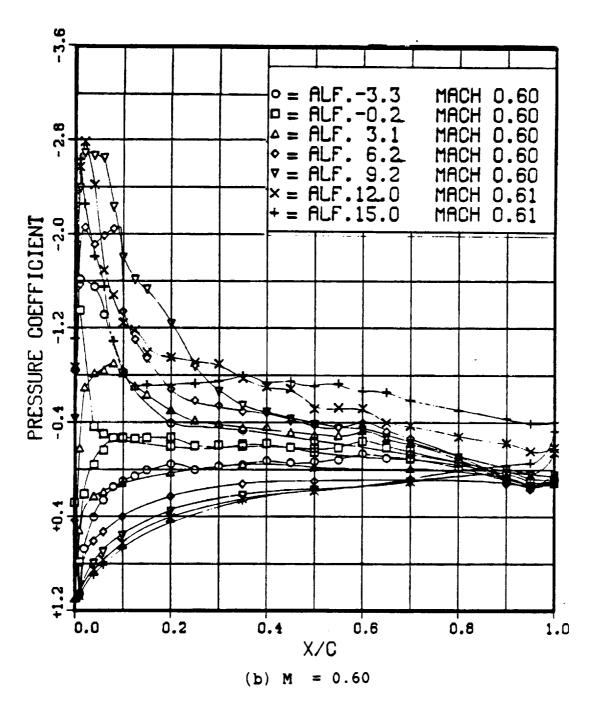


Figure 29.-Continued.

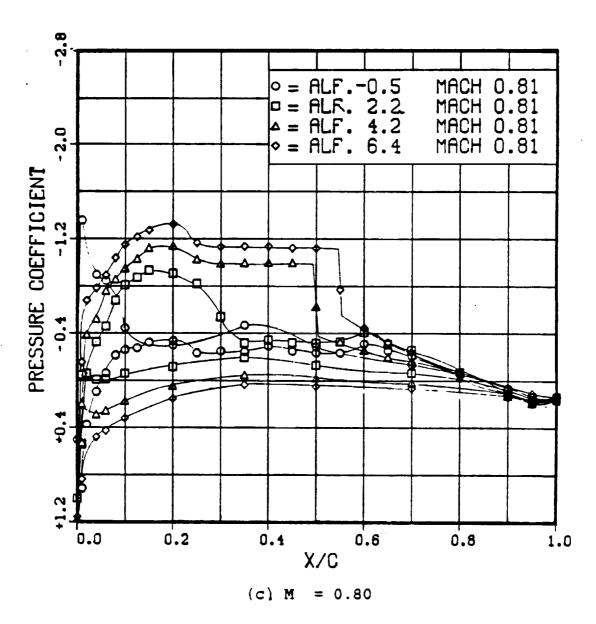
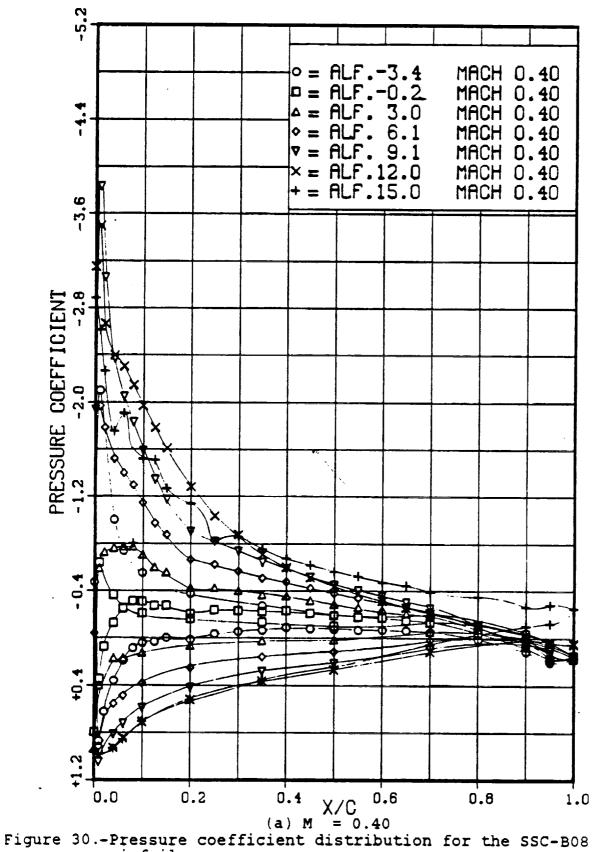


Figure 29.-Concluded.



airfoil. 88

6. 7

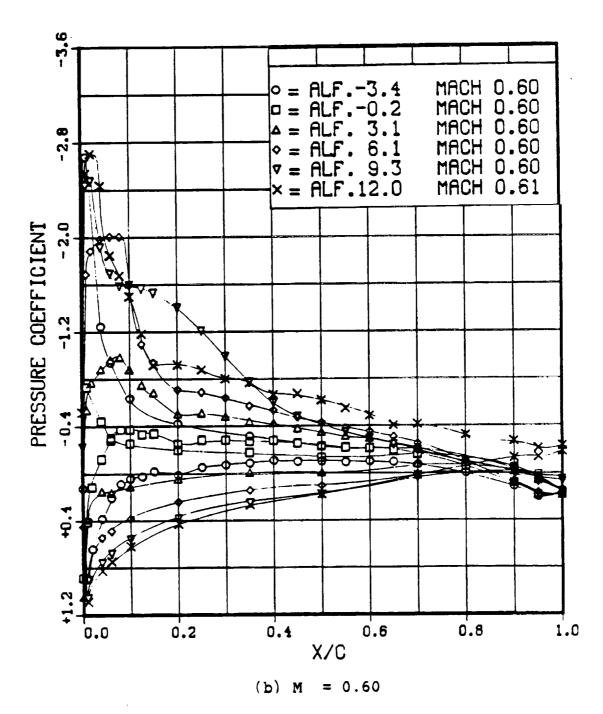


Figure 30.-Continued.

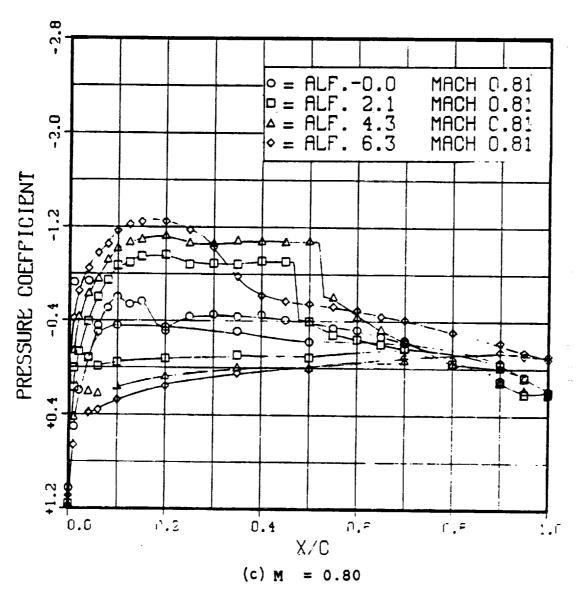


Figure 30. Concluded

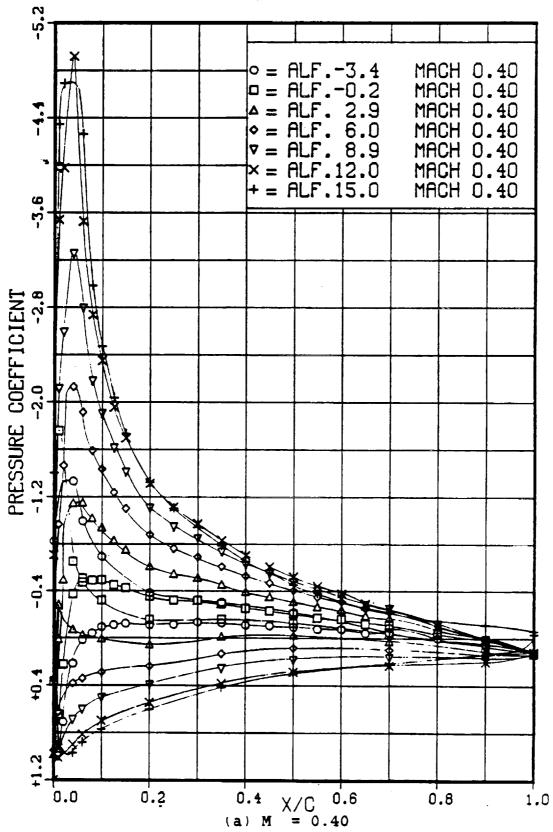


Figure 31.-Pressure coefficient distribution for the SC1094 R8 airfoil

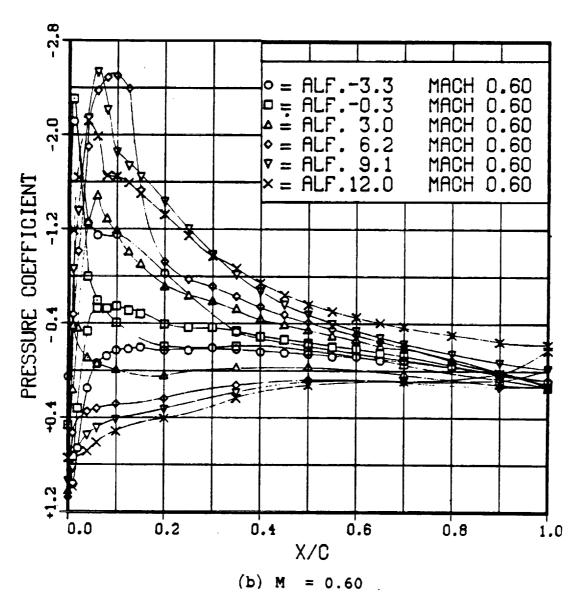


Figure 31.-Continued.

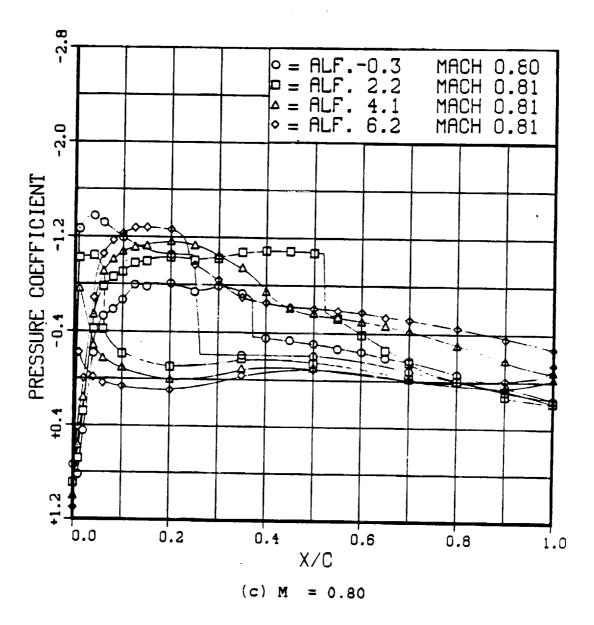


Figure 31.-Concluded.

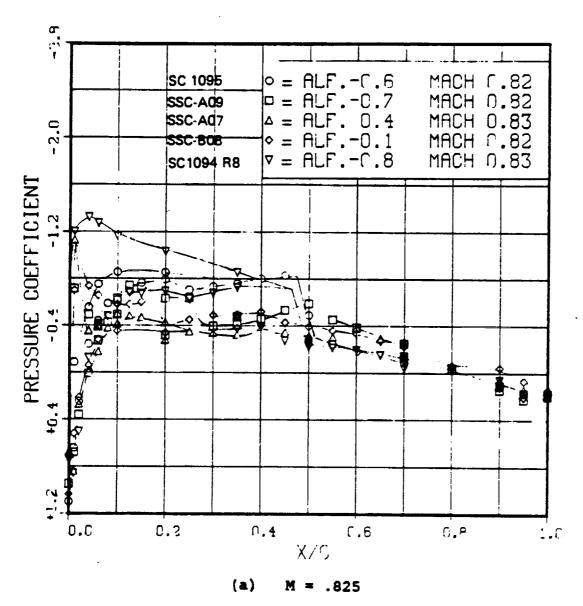


Figure 32.—Pressure coefficient distribution for low lift at high Mach numbers

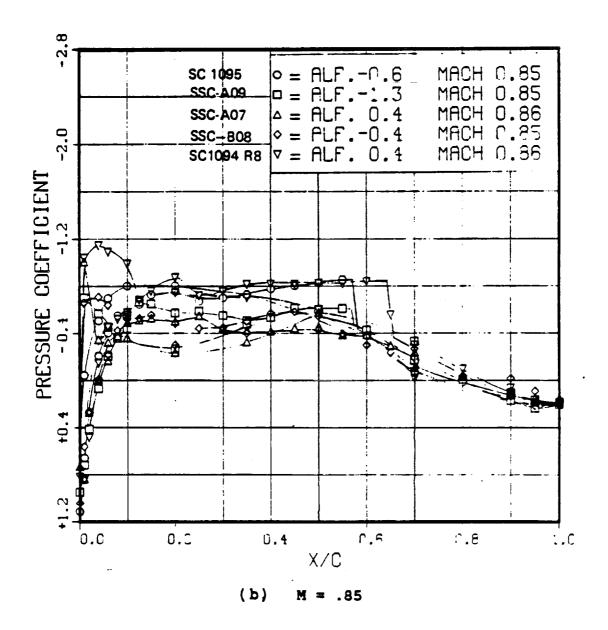


Figure 32.-Continued.

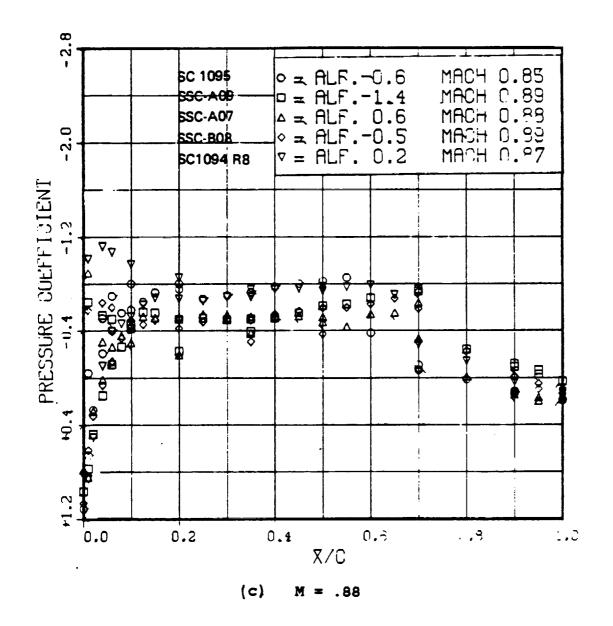


Figure 32.-Continued.

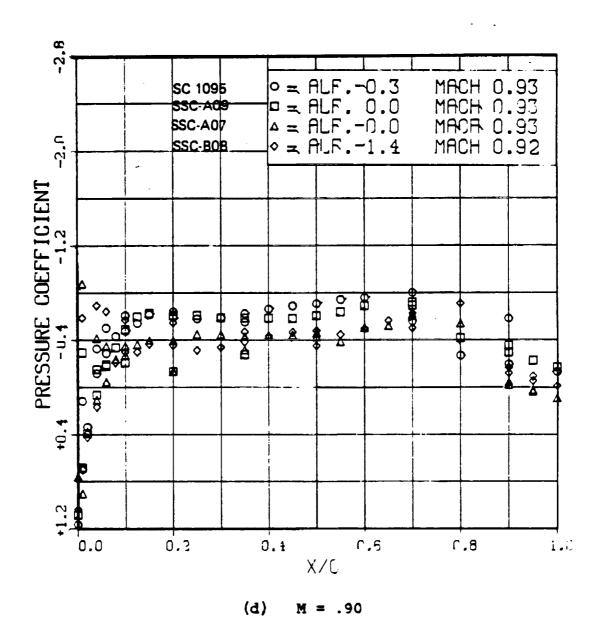


Figure 32. - Continued.

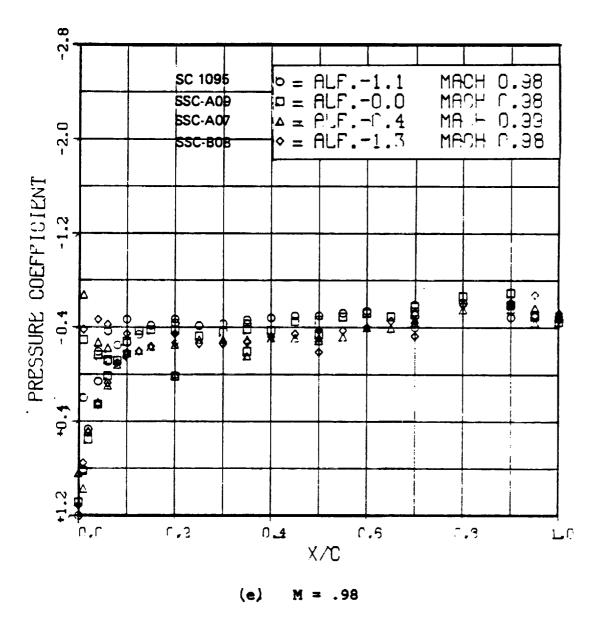
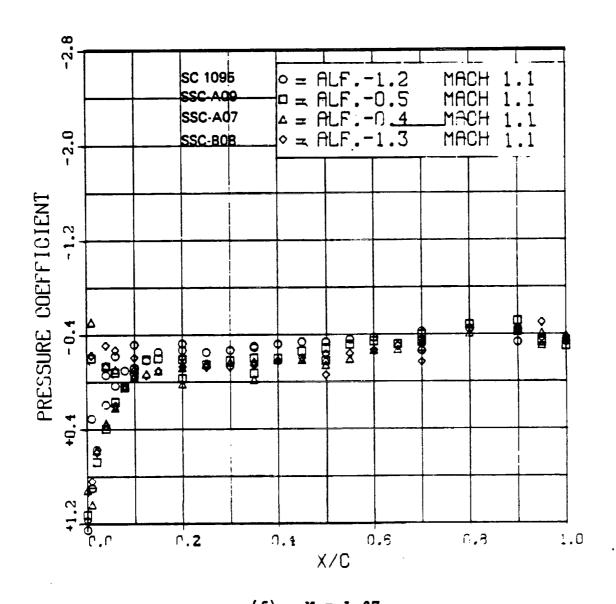


Figure 32.—Continued.



(f) M = 1.07

Figure 32.-Concluded.

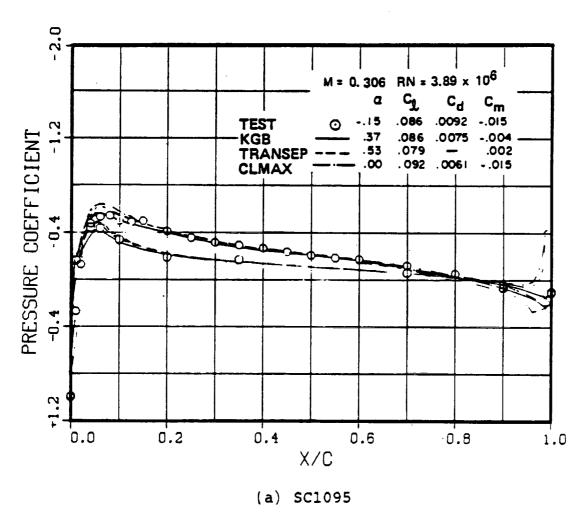


Figure 33. - Pressure coefficient correlation, M = 0.30, $C_1 = 0$.

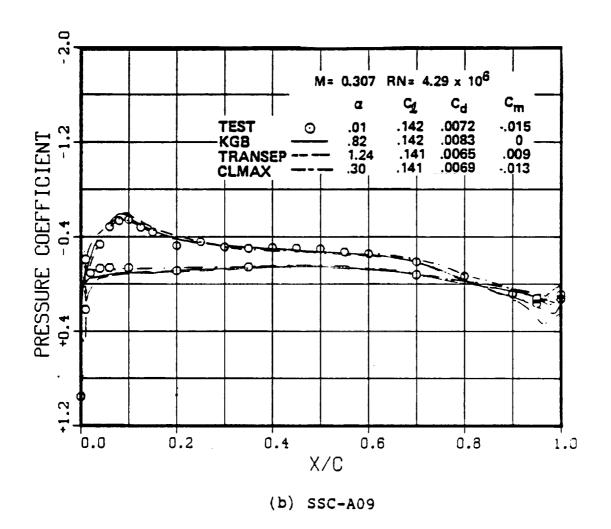


Figure 33.-Continued.

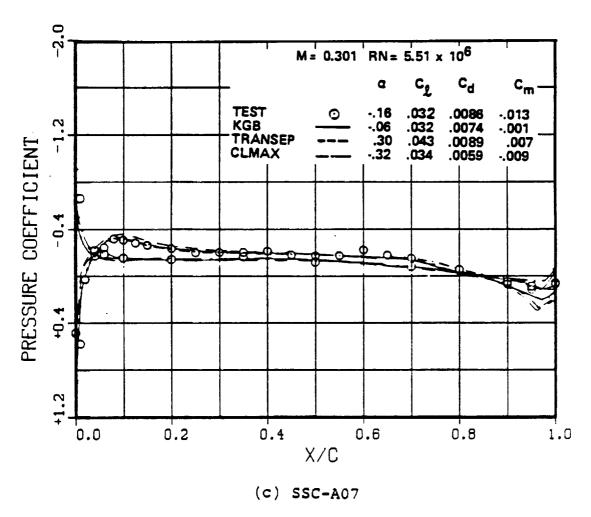
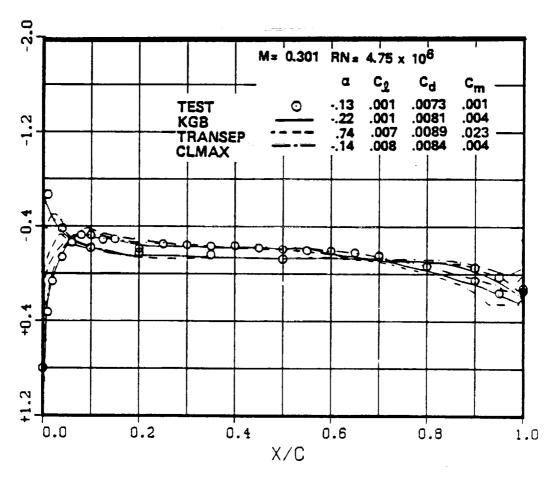


Figure 33. - Continued.



(d) SSC-B08

Figure 33. - Continued.

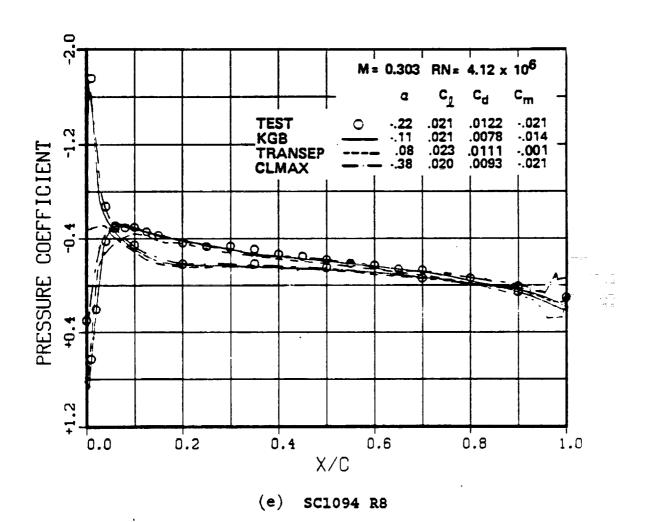
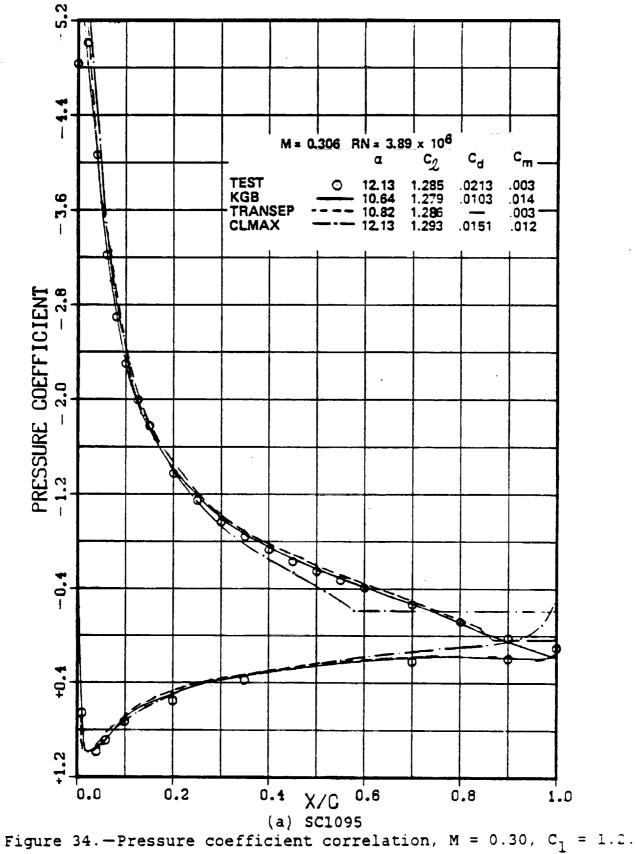


Figure 33.-Concluded.



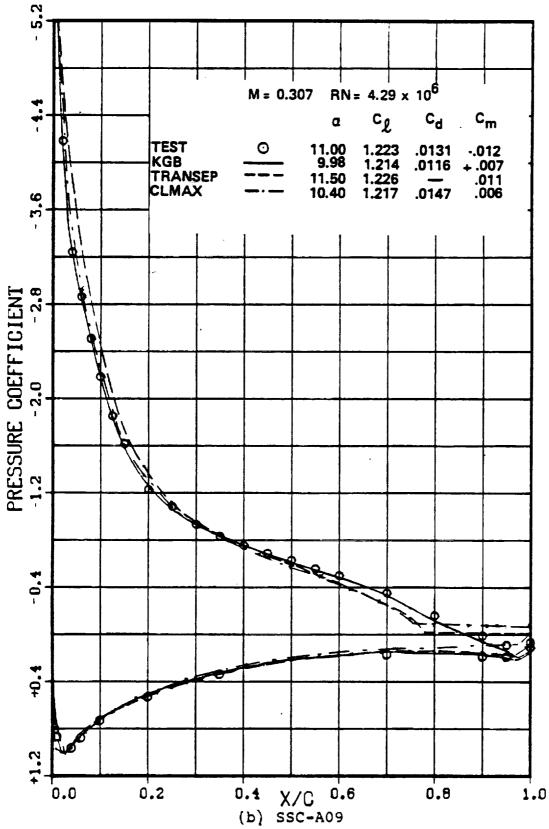
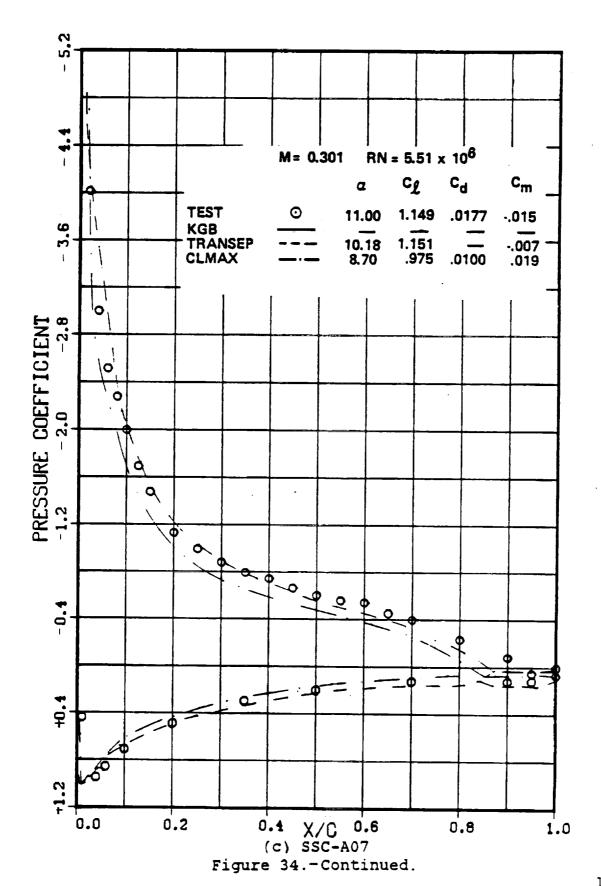
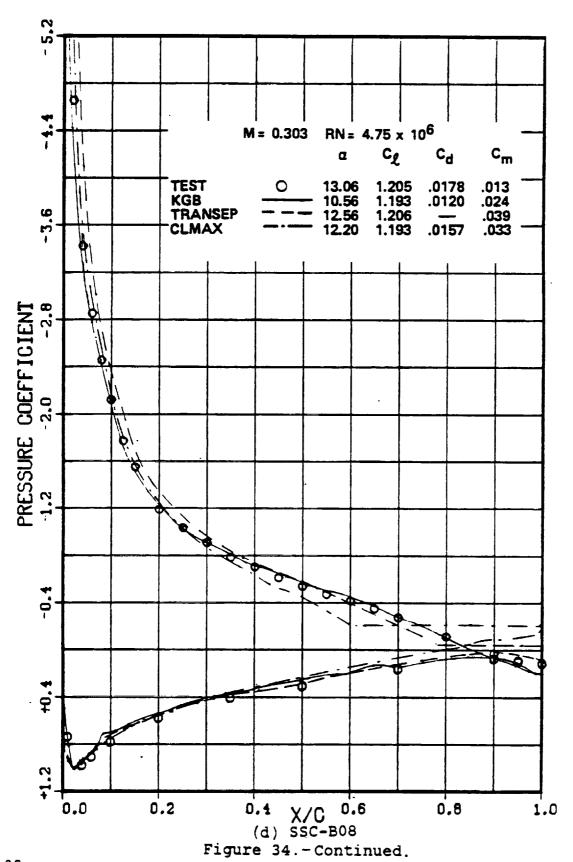
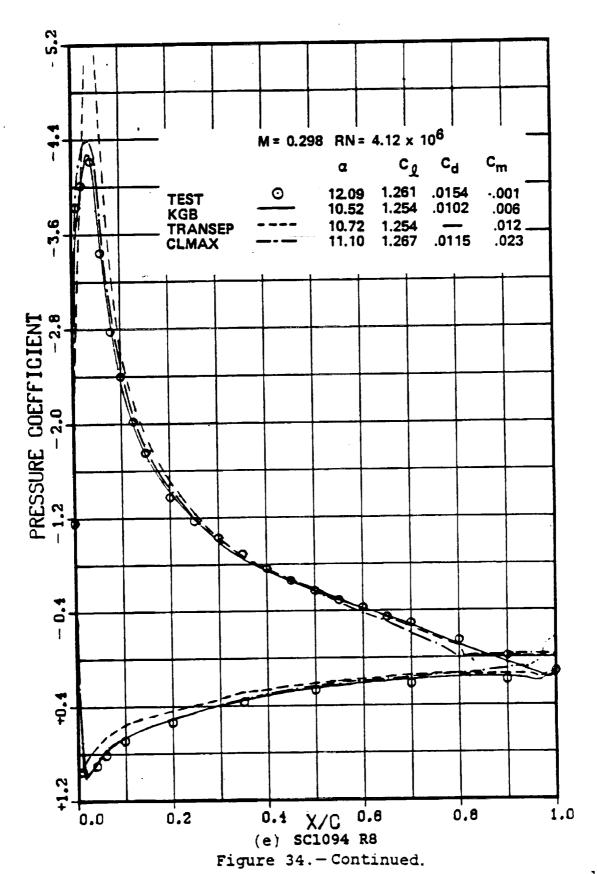
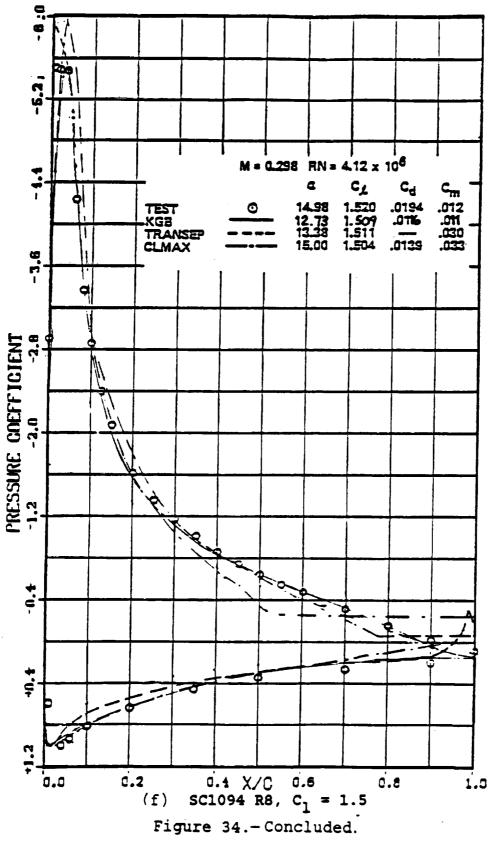


Figure 34.—Continued.









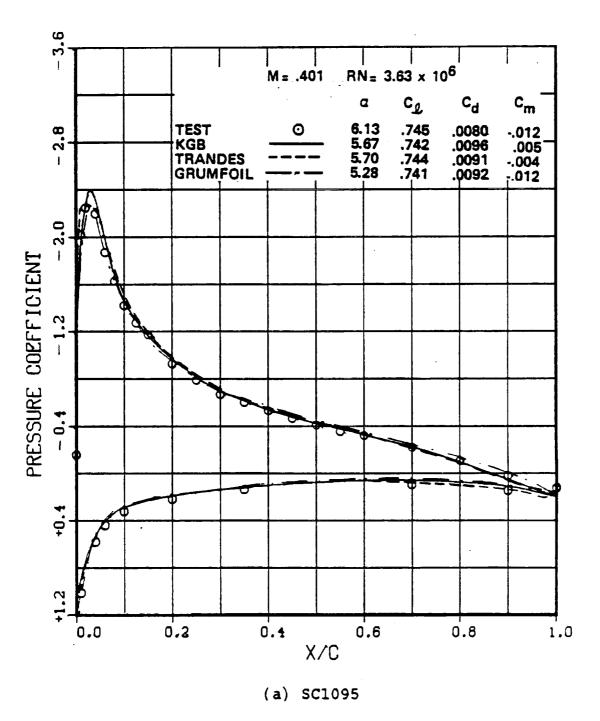


Figure 35.- Pressure coefficient correlation, M = 0.4, $C_1 = .7$.

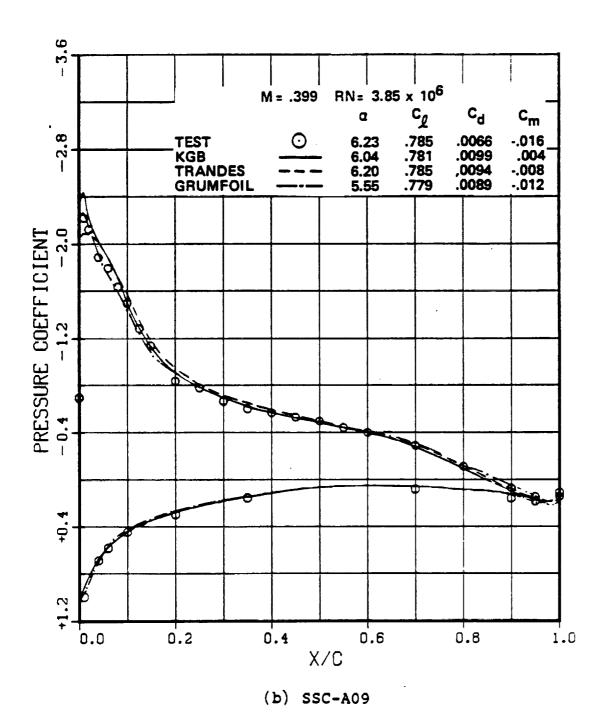
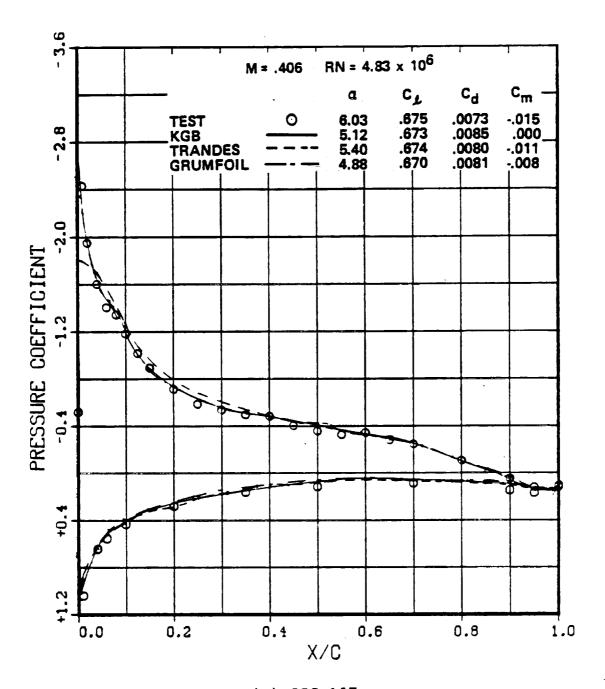


Figure 35. — Continued.



(c) SSC-A07

Figure 35.—Continued.

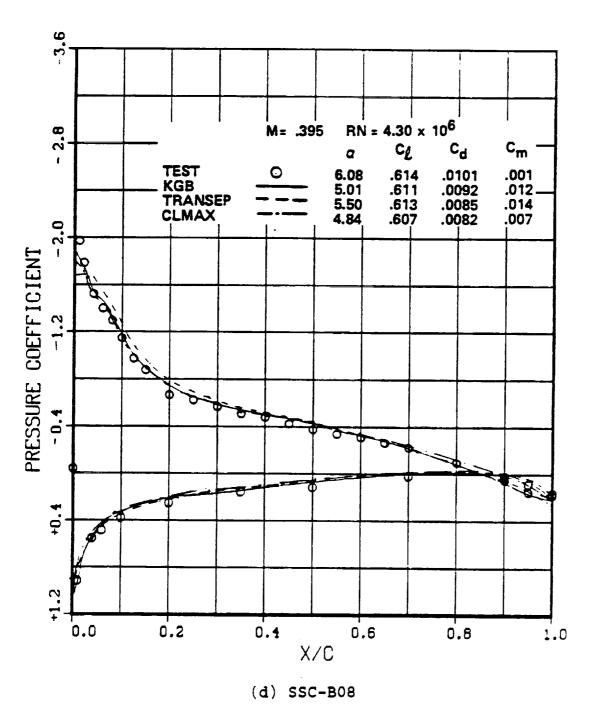
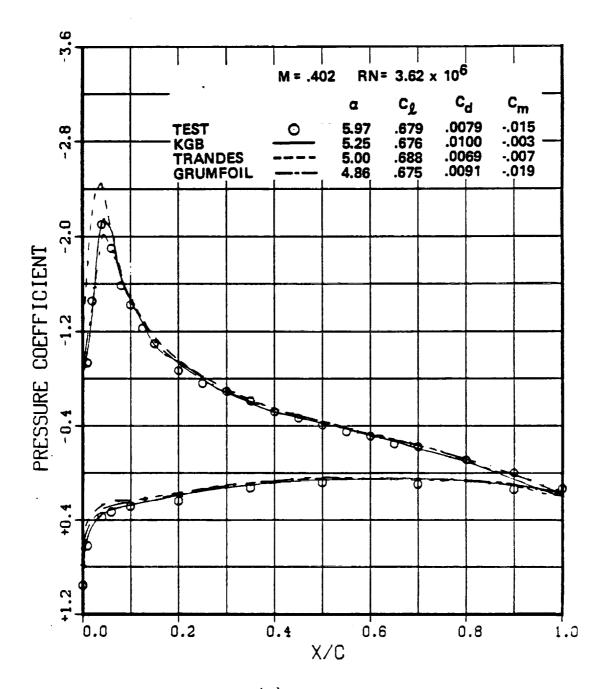


Figure 35. - Continued.



(e) SC1094 R8

Figure 35.—Concluded.

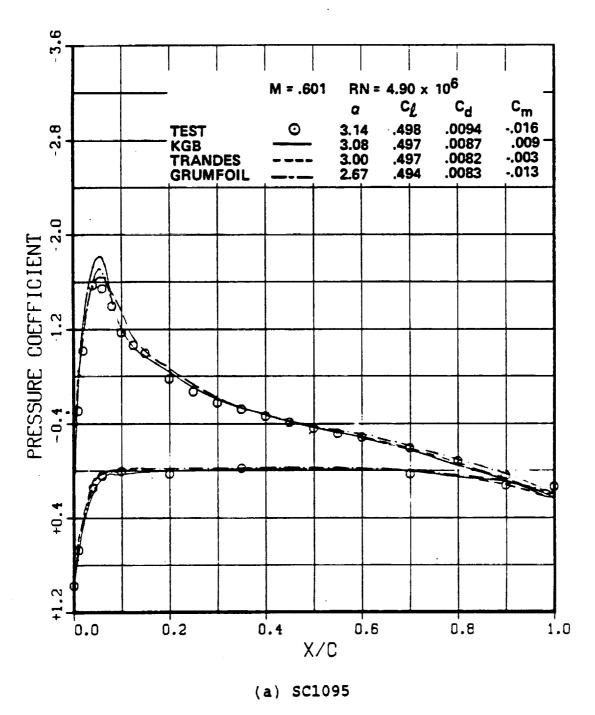


Figure 36.—Pressure coefficient correlation, M = 0.6, $C_1 = .4$.

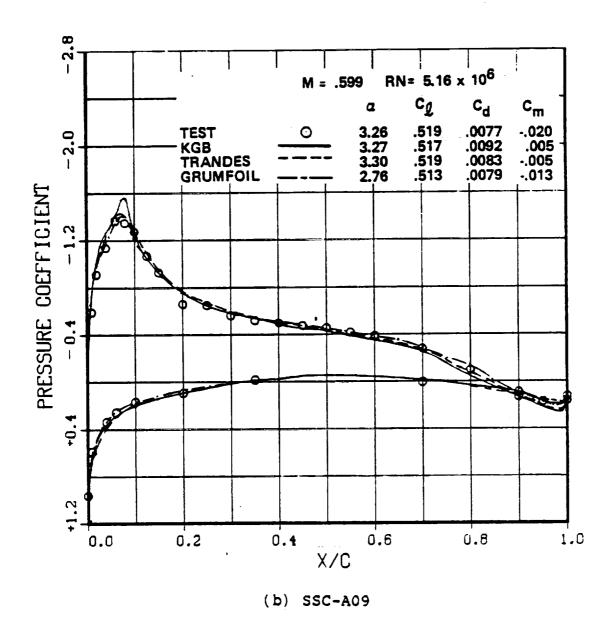
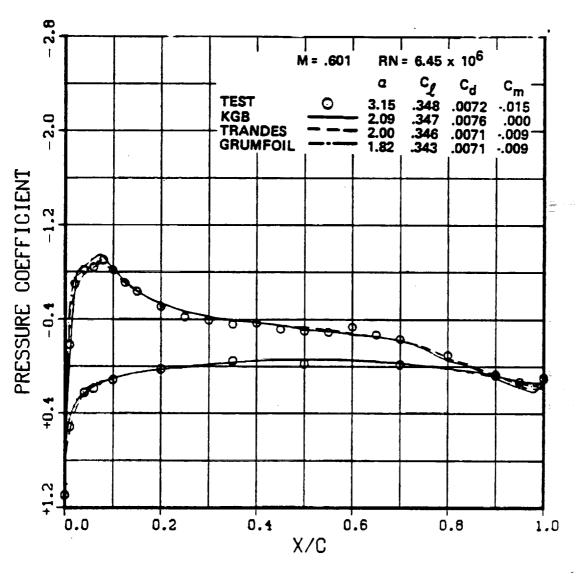


Figure 36. - Continued.



(c) SSC-A07

Figure 36. - Continued.

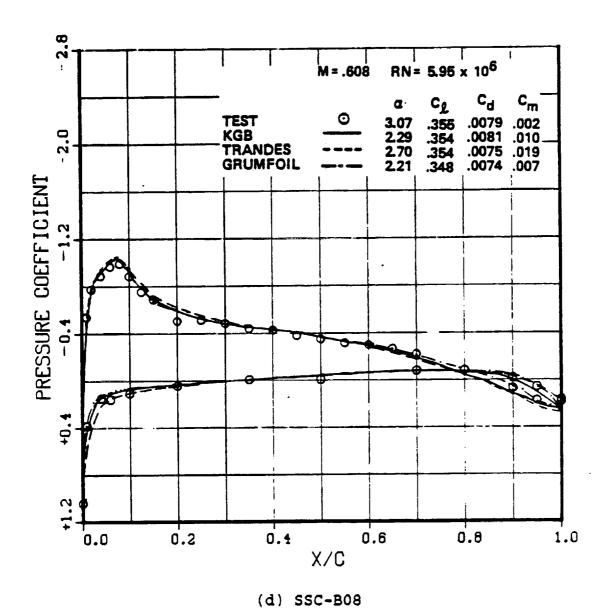


Figure 36. - Continued.

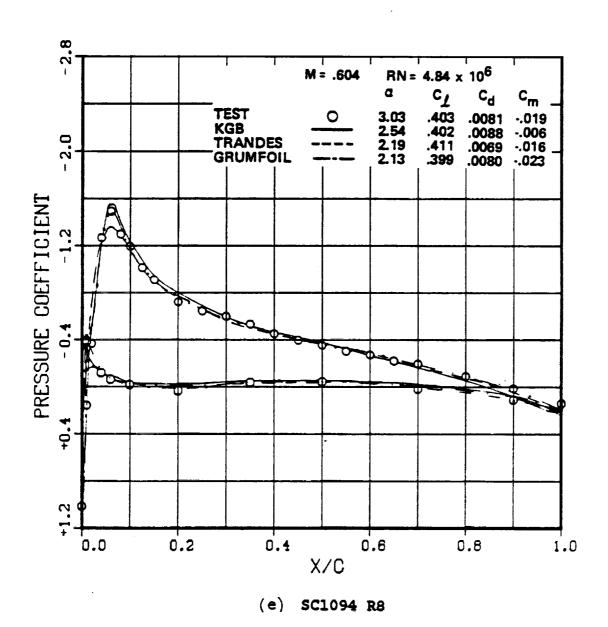


Figure 36. - Concluded.

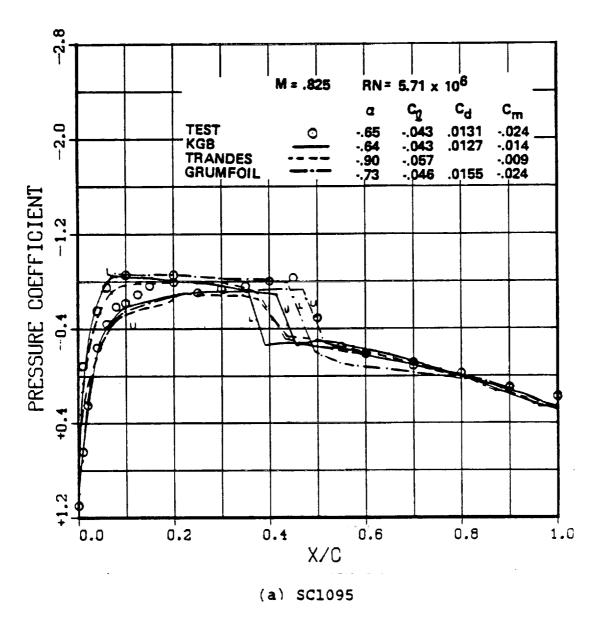


Figure 37. – Pressure coefficient correlation, M = 0.825, $C_1 = 0$.

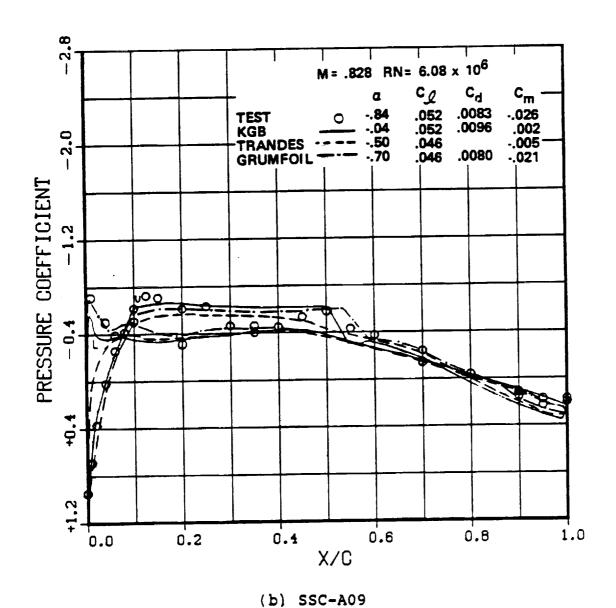


Figure 37.—Continued.

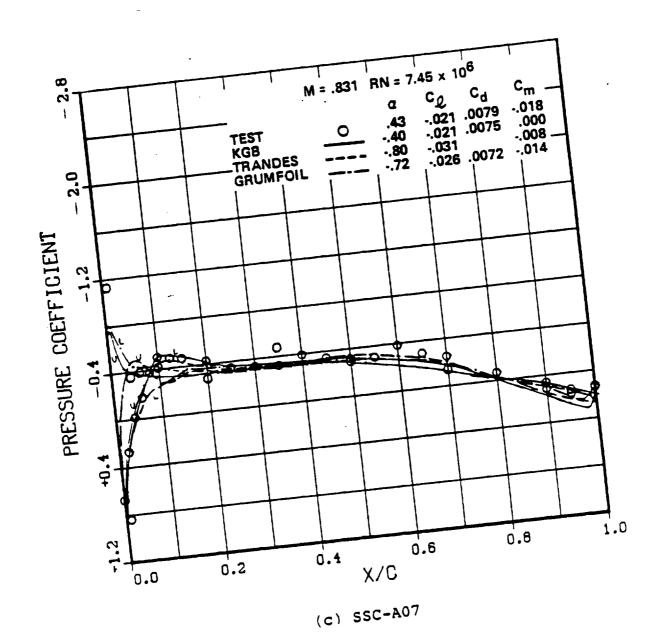


Figure 37. - Continued.

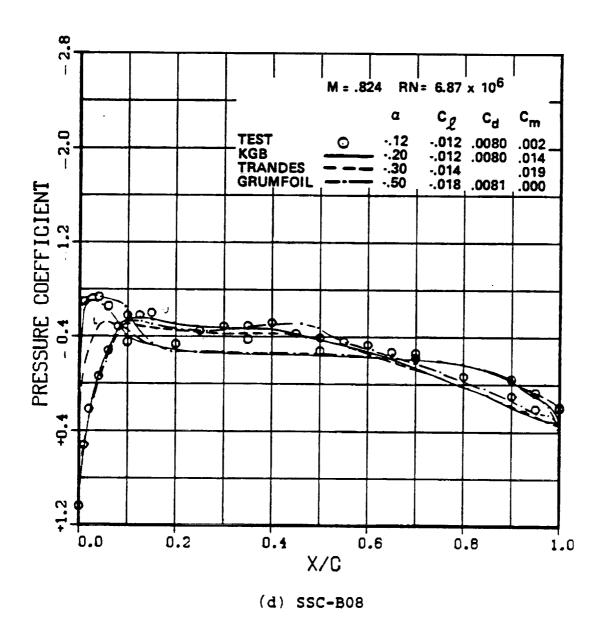


Figure 37.-Continued.

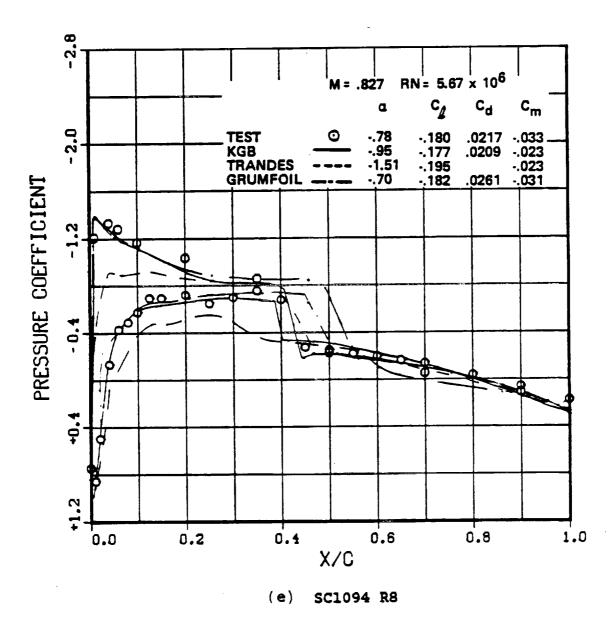


Figure 37.—Concluded.

APPENDIX A TABULATED DATA

Heading Description for Tabulated Data

ALPHA Angle of attack, deg CDBAL Balance - derived drag coefficient Wake rake - derived drag coefficient CDP CLBAL Balance - derived lift coefficient CLP Airfoil surface pressure - derived CMBAL Balance - derived quarter chord pitching moment coefficient CMP Airfoil surface pressure - derived pitching moment coefficient Configuration 1 = SC1095 Configuration 2 = SSC-A09 Configuration 3 = SSC-A07Configuration 4 = SSC-B08 Configuration 5 = SC1095 R8 Configuration 6-10 = SSC-A09 Out-of-Contour Test Configuration (See page 9 and Table IV) L/D BAL Balance - derived lift-drag ratio Surface and wake rake pressure derived lift-drag ratio L/D P MACH Free stream Mach number PT Data point number within each run RNReynolds number based on airfoil chord RUN Test run number (see also Table V)

MACHE .401 RN: 3.61#10##6 CONFIGURATION 1		•	6-92. 1900.0 947	0.0073 -2.7	0.0075 1.2 0.0070 4.0	20.7	27.0	32.2	37.0	107 5.1	107 4.6		, •	B. X			COMFIGURATION		2 84 2	,	. ·	, ,	•		9	4.	9.6											147174	CONF. IGURATION		L/0 BAL						27.0	9	4.1
CHE .401 RNE 3.61416446 CD64 CP8AL CLP CDP	יייי לופער כול מייי	0.077		•	• •	94.00	0.0	-				105	200	2			1										•												ž	•	_								
CHE .401 RNE 3.61410## CDBAL CPBAL CLP	CHONE CET	0.077		•	• •	94 00	6		<u>.</u>				•	ĭ			Ž		8	;			103		-107		110.	.00.	. 005	410.	710	•	i	020	i			P. CARLE P.	1		5		·						
CH= .401 RN= CDBAL CHBAL	. Clark	•		2				0.0141	0.0155	0.2210	0.2285	0.2310		0.2161			.44m10mm6		8		5922.0	9.1295	0.164	725.7	0.2179	0.2061	0.0263	9.0139	6.0113		4000	0.0077	0.0068					Than .	S. Sym I Owne	5	2		. 00%	0.0116	0.0100	0.0213	0.0289	0.2320	0.2409
CH≅ .401 CDBAL CM	5	010		;	9.072	. 719	1.025	1.2.1	1.253	9.0	0.034	10.0		.61			3.64		3	,		•	•	•	•	•	_	_	_ '	•	•	- 030	'	i				700	2.0	į	2		•	_	_		-	0.001	•
# 5	1		. 030	022	616	- 002	0.007	0.015	0.010	160				i			17.0		CLEAL		•								€.00		710		027	620				2	Z Z		CHBAL	•	012	0.00	0.013	9.00		·	
וַ צַּ	3									0.1313	0.1400	9.1572	9.136	0.2274		•	204. EX		CDBAL		9.2106	0.2033	0.1551	9.1489	1102	•	_												MACH# . 506		COBAL							0.1553	
7 3	د	_	, ,	•	0.039	•	•	~	1.240	•	•	•	0.880	1.647			MACH		CIBAL		•	•	•	•	•									PK 5.							CLBAL		•	_	_		_	_	•
RUN 16		-0.27	10.6-	7.7	-6.32									=			71		ALTHA					15.02				11.16					•		7						ALPHA F							6 11.97	
			N P	•	10	, ~	- 🖘	•	Ξ;		: =	*	=	=					•		-		. •	- '	•			-	Ä	-	·	.	. ;=	≠.						ě	•		•		. •	•		•	
_ \$		79.2		3						-	5	i	15.5	-53.4	-32.6	9.5	5.5	92.9	95.4	87.2	75.1	*.	¥.9	9 .	• •		1						_		5	3.5	7.2	N. Y.	m,	0 , 0	۴. ۵	30.5	9.98	79.7	9 0 V	52.1	76.0	-6.2	7 7 7
CONFIGURATION										CONTINUE TO TON	S											M, W	2.	.	. ·	; ;	•						CONF. ICHIDATION		L/0 BAL	3.4	6.7	T .	•		9.9	62.5							
CONF. 16		077		104							8		117	020	019	017	10.	012	005	0.003	9.015	107	108	110	900	90	}								Ç	037	690	112	9	2	=	0.010	200.0	900 -	- 012	- 015	910	- 016	410
9110	È	9500.0	•	4000							B		9.0076	0.0079	0.0071	6.9878	9000	0000	0.010.	•	1.0165	0.2007	0.2213	0.2280	2601.0	0.2251							9##6	•	COP	72827	0.1250	0.2257	0.2254	9122.0	0 .20%	0.0322	0.0138	0.010	n 0082	0.0080	0.0073	P. 00.0	17 00 0
4.46#10##6	Š	0.435							,	1 0 1 0 7 0 . C	10	,	0.110	\$2\$°-	231	720	414	.745	1.041	1.211	1.243	1.0%	9.055	0.652	926.	0.00							1.664104		CLP	0.803	905	0.829	0.033	0.045	0.878	1.244	1.199	1.026	0.737	017	0.109	031	2 40
EN B	CHEAL	006		9	\$				į	E .	CPBAL		016	031	028		910	- 003	• • •	0.011	0.015	000	•	•	598.		}						20		CHEAL	•	•		'	•		•	•					970	
525. =	CDGAL		. 798						•	MACHE . 481	CDBAL											0.1307	1.1454	0.1465	1647	A 2 4 4							207		COBAL	0.2287	0.1977	0.1672	0.1505	0.1321	0.1228	0.0203							
MACH:	CLBAL	0.100	MACH	•	. 604					Ž	CLBAL		0.132	432	\$ 1	200		. 759	1.056	1.239	1.293	9.692	0.725	3	9.4%	754							HACAM		CLBAL	0.781	0.927	0.687	0.687	0.67	9.486	1.265	1.216	•	• •				•
RUM 12	ALPHA	0.03		;	-						ALPHA		0.05	5.03	-3.16	, z	71.0		6.0	11.10	•	12.97	13.94	14.09	7	3	•						4	1	ALPHA	.03	7.98	6	20.5	6	=	1.96	8	70	5	6	6	1.26	2

																														L	_	-	_	•	~	_	، و	N =	o -	٠ ٨٠	-
_	5	10.0	-25.3	M. 6-	46.7		_	5	12.0	85.5			_	5		2./1-	-23.7	-0.1	12.0	45.0 40.0 40.0 40.0 40.0 40.0 40.0 40.0	15.0	2.0	9.2	10.0				_		3	10	-13.	-13.	•	2	20.	13.	=	0 6	هٔ ا	٥
M	DAL	•	•											BAL					•	•	3	٠,	- 0	2				110N	į	146	5.1	9.7	4.4	S.3	6.	6.	5	.		. 7.	6.5
CONFIGURATION	5						CONFIGURATION	2					CONFIGURATION	5	:	3 =	-10.5	4	2	4	2	2 '	~ <	~				CONFIGURATION		3											
CONFI	5	022	150		1		CONFI	5	017	012				5	•	120-		022			041	051	200	067				CON	. }	\$	025	017	010	024	033		. 670	7.0	1 5	. 656	072
	8	0071		0077				8		- 7900			•	B					. 9074				42/0					•		Ì	9125	0313	0133	120	157	9220	2550	0505	2//0	1065	.1027
.35×10××6		••	•	• •	•		.67=10==6		·	•			5.41m10m6			•	•	•	•	•	•	•	•	•				. 73=10==6			•	ė	÷	÷	•	•	6	•	.		ò
5.35	3	170.0	3	072	0.405		3.67	ฮ	6.105	9.744			5.41	5		905	3	063	0.000	550	0.002	0.050	200	0.901				6.7	i	3	0.120	419	176	9.70	9.31	0.477	0.622	0.665	604	0	0.717
#	CHBAL	012					# *	CHBAL		9.002			¥	CPBAL	3		- 026	014	600	200.	- 004	015	016	026				<u> </u>			80.	012	015	005	- 005	017	032	030	970	940	041
2		Ė	i	i	•		2	_	í	•			1									_						900-		TYPE	. 9910								0990		
H= .702	CDBAL						MACH= .400	CDBAL					¥2. ±	CDBAL		9088.	0.0330	6.0136	0.0095	0.0145	0.0513	0.0705	1096	0.1201				MACH= .4	į	Ē	•	•	•	•	•	•	•	•	9 6	9 9	• •
MACH	CLBAL	210.	392	900	*		MAC	CLBAL	.132	.755			MACH	CLBAL	:	7117		.054	•	125.	8	.052	2 4 2 4	.670				Ĭ		CLBAL	9.00	412	079	0.126	0.340	0.501	0.629	169.0	659.0	0.000	0.690
52	ALPHA C	.32		***			27	ALPHA C	_				22	_		2.5			21.	? 2	. 31	٠ ج	2 2	2				2	į	ALPMA	•	~		-0.04	. 20	2.21	. 20	62	9 . 2 .	7.60	. 53
2		7 4	17	79	~		Ş		Ţ				Ş	T ALPHA		,	. 7				•							3		¥ E	_	N		•				•			12
	E			-	. •			Ā						E				•		•	_		Ä	12						_											• • •
																																			•						
	a e	51.0			Ę	15.5 95.3	_	<u>.</u>	16.1	-34.0	7.0	12.3	76.4	47.4	7.9	9.9	٠.٠	0 4	, ,	10.6		-	5	•	:		\$	12.4	-44.1	. 4	10.9	2.05	37.6	14.5	16.3	13.6	7.3	~ •	o 4		-1.2
, NO	5	51.0	1 10		2	15.5	10H 1	PAL 50 P	16.1	- 36 -	7	12.3	76.4	47.6						10.6			5	•	;	•	2	12.4	-44.1	P. 9-	10.9	2.05									-1.2
URATION 1		51.0	URATION 1		B VI 29	15.5	GURATION 1	2 94 2	16.1	- 34.0	9.5	12.3	7.92		0.9 7.9					10.6	. C POLITICAL	eckarion 1		•		•		12.4	1.64.1	. 4	10.9	5.05							V.V		-1.2
CONFIGURATION	BAL L/O	.007	CONFIGURATION 1		2	.016	CONFIGURATION 1	DAL	910	.023				5.6	. o .	7.6	7.7	? u	, m		C PROPERTY OF THE PARTY OF THE	CONTIGORALION 1	BAL LS		•	CONFIGURATION 1	BAL LO			920	120	916	56.6	11.3	70. 0	6.0	7.1	59 6.1	, 4) ;	
	P CMP L/0 BAL L/0	61 6.007			P CHP L'O BAL L'O	1016 9012		DP CNP L/D BAL	74016	023	019	016	600°	0.000	401 15.V	038 7.8	7.7		110 3.7	016			CHP L/D BAL L/D	016		CONFIGURATION	DP CMP L/D BAL L/D	74020	620'- 51		72020	84016	10001 26.6	36 013 11.3	87023 10.0	6.0 %0 51	73046 7.1	01059 6.1	55 071 5.9 75 - 600 6.8	910 - 340	175021
	CHP L/D BAL L/D	.007			CAP LA BAL LA	016 012		COP CNP L/D BAL	0.0074018	0.0070023 0.0076023	0.0073019	0.0072016	0.010;009	0.0219 0.006 24.0	0.1310031 0.9	0.1464038 7.8	0.1539073 7.7	0.1867069 4.5	0.2624110 3.7	0.0092018			CDP CHP L/D BAL L/D	010		CONFIGURATION	COP CMP L/D BAL L/D	0.0074020	0.0114029	0.0075020 0.0075020	0.0072020	0.0084016	0.0218001 26.6	0.0636013 11.3	0.0587023 10.0	0.0715034 0.9	0.1273046 7.1	0.1501059 6.1	0.1653 = .U/1 9.9	0.1 3/0. C/01.0	0.0075021
3.87*10**6 CONFIGURATION 1	P CMP L/0 BAL L/0	8.0261 8.007	3.63*10**6 CONFIGURATION 1		P CHP L'O BAL L'O	0.0071016 0.0079012		DP CNP L/D BAL	0.0074018	0.0070023 0.0076023	0.0073019	0.0072016	0.010;009	0.45 0.0019 0.000 24.0	9.07 - 0.01 15.9 13.0 - 0.31 6.9	.010 0.1464038 7.0	7.7 2.009 0.1539073 7.7	2260 - 103 4.5	.864 0.2624110 3.7	.098 0.0092018	***************************************	4.33410446 CUNTISURALION I	CHP L/D BAL L/D	010	, , , , , , , , , , , , , , , , , , ,	•	DP CMP L/D BAL L/D	0.0074020	0.0114029		0.0072020	.469 0.0084016	.826 0.0218001 26.6	.930 0.0636013 11.3	.966 0.0587023 10.0	979 0.0715 034 0.9	.947 0.1273048 7.1	.951 0.1501059 6.1	55 071 5.9 75 - 600 6.8	5.0 - 5/9T.0 060	.009 0.0075021
3.87#10##6	CLP CDP CNP L/D BAL L/D	1.335 0.0261 0.007	3.63*10**6		CLP COP CNP L/O BAL L/O	0.110 0.0071016 0.759 0.0079012	.34m10m6	CLP COP CNP L/D BAL	0.119 0.6074016	465 0.0070023 - 955 0.0075020	022 0.0073019	0.009 0.0072018	6.451 U.0082016 6.794 0.0104009	1.046 0.0219 0.008 24.0	1.652 6.1310631 6.9	1.010 0.1464038 7.8	1.066 0.1539073 7.7	0.400 0.1007005 4.5	0.864 0.2624110 3.7	017 0.096 0.0092018	***************************************	. 55410446	CLP CDP CHP L/0 BAL L/0		1	.90*10**6 CONFIGURATION	CLP COP CHP L/D BAL L/O	0.092 0.0074020	505 0.0114029		0.076 0.0072020	0.469 0.0084016	0.826 0.0218001 26.6	0.930 0.0636013 11.3	0.966 0.0587023 10.0	0.979 0.0715034 0.9	0.947 0.1273048 7.1	36 0.951 0.1501059 6.1	4.5 0.959 0.1653 = .074 0.35 4 A.25 = .092 0.35 4 A.35	540° - 5/91° 0 060° 0 1	009 0.0075021
RN= 3.67#10##6	CHBAL CLP CDP CMP L/D BAL L/D	8.0261 8.007	BN= 3.63*10##6		CHEAL CLP COP CNP L/0 BAL L/0	0.0071016 0.0079012	HANGER & TANK	CHBAL CLP CDP CMP L/D BAL	0.119 0.6074016	0.0070023 0.0076023	022 0.0073019	0.009 0.0072018	0.010;009	8.023 1.046 0.0219 0.006 24.0	0.019 1.052 0.0300031 13.9 036 1.052 0.1310031 6.9	041 1.010 0.1464038 7.0	7.7 870 61510 900.1 520		079 0.864 0.2624110 3.7	017 0.096 0.0092018		Out Discret	CHBAL CLP CDP CHP L/D BAL L/D	010 - 1100	1	BH= 4.90*10*46 CONFIGURATION	CHBAL CLP COP CHP L/D BAL L/O	0.092 0.0074020	505 0.0114029		0.0072020	0.469 0.0084016	0.016 0.826 0.0218001 26.6	0.008 0.930 0.0636013 11.3	0.006 0.966 0.0587023 10.0	001 0.979 0.0715034 0.9	027 0.947 0.1273048 7.1	036 0.951 0.1501059 6.1	6.6 1/0.= 166.0 959.0 550.= 6.6 1/0.= 166.0 166.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0	0.5 370. 2701.0 000.0 110.	009 0.0075021
.306 RN= 3.87#10##6	CLP CDP CNP L/D BAL L/D	1.335 0.0261 0.007			CLP COP CNP L/O BAL L/O	0.110 0.0071016 0.759 0.0079012	.501 RN= 4.34#10##6	CLP COP CNP L/D BAL	0.119 0.6074016	465 0.0070023 - 955 0.0075020	022 0.0073019	0.009 0.0072018	6.451 U.0082016 6.794 0.0104009	8.023 1.046 0.0219 0.006 24.0	1.652 6.1310631 6.9	041 1.010 0.1464038 7.0	7.7 2.00- 625.000 1.000073 7.7		2142 - 079 0.064 0.2624 - 110 3.7	017 0.098 0.0092018		Out of the Sun 205	CLP CDP CHP L/0 BAL L/0		1	.401 RN= 4.90*10*46 CONFIGURATION	CLP COP CHP L/D BAL L/O	0.092 0.0074020	505 0.0114029		0.076 0.0072020	0.469 0.0084016	0.016 0.826 0.0218001 26.6	0.008 0.930 0.0636013 11.3	0.006 0.966 0.0587023 10.0	0.979 0.0715034 0.9	027 0.947 0.1273048 7.1	1491036 0.951 0.1501059 6.1	.1713042 0.959 0.1653071 5.5	0.5 370. 2701.0 000.0 110.	009 0.0075021
RN= 3.67#10##6	COBAL CHBAL CLP CDP CMP L/D BAL L/D	0.015 1.335 0.0261 0.007	401 01 104.		COBAL CHEAL CLP COP CHP L/O BAL L/O	010 0.110 0.0071016 0.006 0.759 0.0079012	HANGER & TANK	CDBAL CHBAL CLP CDP CMP L/D BAL	4709.0 0.11.9 00.0 751.	.502625465 6.6076023		.097007 0.009 0.0072016	.464 0.002 4.451 0.0032016 .858 0.011 0.794 0.0104009	101 0.0459 8.023 1.046 0.0219 0.008 24.0	.131 0.0713 0.019 1.055 0.0505401 15.V	971 0.1250041 1.010 0.1464030 7.0	.046 0.1362024 1.006 0.1539073 7.7	.696 6.1607076 6.908 6.1667069 4.5	.78 6.1/300/2 0.65/ 0.465/103 .78 0.2142079 0.864 0.2624110 3.7	.045017 0.090 0.0092018		Out Discret	COBAL CHBAL CLP COP CHP L/D BAL L/D.	010 - 11000 0 710 0 110	**************************************	BH= 4.90*10*46 CONFIGURATION	CDBAL CHBAL CLP CDP CMP L/D BAL L/D	.043012 0.092 0.0074020	-,632 -,505 0,0114 -,029	. 350 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120 - 120	-,009 0.076 0.0072 -,020	0.001 0.489 0.0084014	0.0316 0.016 0.826 0.0218001 26.6	0.0822 0.008 0.930 0.0636013 11.3	985 0.0931 0.006 0.966 0.0587023 10.0	006 0.1129001 0.979 0.0715034 0.9	935 0.1322027 0.947 0.1273048 7.1	.916 0.1491036 0.951 0.1501059 6.1	.936 0.1713042 0.959 0.16531071 9.9	. 434 U.1476 - 1044 U.456 U.1675 - 1075 4:0	.070014009 0.0075021
0 MACH= .306 RN= 3.07#10##6	CIBAL COBAL CHBAL CLP CDP CMP L/D BAL L/D	1.352 0.015 1.335 0.0261 0.007	MACH . 401 RN= 3.63*10**6		CLBAL COBAL CABAL CIP COP CAP L/D BAL L/D	6.123018 6.116 6.0071016 0.776 6.006 6.759 6.0079012	.501 RN= 4.34#10##6	CLBAL CDBAL CHBAL CLP COP CNP L/D BAL	6.127009 0.119 0.0074018	502504550502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502 -	- 610 - 617 - 617 - 617 - 617 - 617 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618 - 618	0.097007 0.009 0.0072018	0.464 0.002 0.451 0.0032010 0.858 0.011 0.794 0.0104009	1.101 0.0459 8.023 1.046 8.0219 0.008 24.0	1.131 0.0713 0.014 1.055 0.0505001 13.V	0.971 0.1250041 1.010 0.1464038 7.8	1.046 0.1362024 1.086 0.1539073 7.7	0.690 0.1607070 0.400 0.160064 4.9	0.78% 0.2142079 0.864 0.2624110 3.7	0.045017 0.096 0.0092016		Out of the Sun 205	CLBAL CDBAL CHBAL CLP CDP CHP L/D BAL L/D.		1	.401 RN= 4.90*10*46 CONFIGURATION	CLBAL CDBAL CMBAL CLP CDP CMP L/D BAL L/O	.19 0.043012 0.092 0.0074020	596632505 0.0114029	. 320 - 120 - 120 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650 - 650	0.048009 0.076 0.0072	14 0.478 0.001 0.489 0.0084016	.22 0.842 0.0316 0.016 0.826 0.0218001 26.6	.17 0.928 0.0822 0.008 0.930 0.0636013 11.3	0.985 0.0931 0.006 0.966 0.0587023 10.0	1.006 0.1129001 0.979 0.0715034 0.9	0.935 0.1322027 0.947 0.1273048 7.1	0.916 0.1491036 0.951 0.1501059 6.1	20 0.936 0.1733042 0.959 0.1653047 3.5	10 0.739 0.1476044 0.756 0.1675057 0.16	.95070014009 0.0075021
.306 RN= 3.87#10##6	COBAL CHBAL CLP CDP CMP L/D BAL L/D	0.015 1.335 0.0261 0.007			COBAL CHEAL CLP COP CHP L/O BAL L/O	010 0.110 0.0071016 0.006 0.759 0.0079012	MACH 501 RN 4.34m10m4	CDBAL CHBAL CLP CDP CMP L/D BAL	6.03 6.127 610 611.9 6.8074 618	502505564502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502502 -	-1.27010012013019	-0.23 0.097007 0.009 0.0072018	3.62 6.464 0.002 0.451 0.9032010 4.21 0.828 0.013 0.294 0.0104009	1.101 0.0459 8.023 1.046 8.0219 0.008 24.0	11.16 1.131 0.0713 0.014 1.053 0.0505001 15.V	13.11 0.971 0.1250041 1.010 0.1464030 7.0	1.046 0.1362024 1.086 0.1539073 7.7	15.06 0.696 0.1607070 0.400 0.1867064 4.5	18.00 0.78 0.2142079 0.864 0.2624110 3.7	-0.12 0.045017 0.098 0.0092018		MACHE SOZ MNE 4.33410416	COBAL CHBAL CLP COP CHP L/D BAL L/D.	010 1 1000 0 210 0 110	**************************************	MACH= .401 RN= 4.90*10**6 CONFIGURATION	CDBAL CHBAL CLP CDP CMP L/D BAL L/D	-0.19 6.643012 0.092 0.0074020	-5,30 -,596 -,632 -,505 0,6114 -,029	-3.37359252350 0.0073350 0.0073350 0.0073350 0.0073 0.0073 0.0073 0.0073 0.0073 0.0073 0.0073	0.048009 0.076 0.0072	3.14 0.470 0.001 0.489 0.0084016	6.22 0.842 0.0316 0.016 0.826 0.0218001 26.6	9.17 0.928 0.0822 0.008 0.930 0.0636013 11.3	10.27 0.985 0.0931 0.006 0.966 0.0587023 10.0	11.23 1.006 0.1129001 0.979 0.0715034 0.9	12.24 0.935 0.1322027 0.947 0.1273048 7.1	13.15 0.916 0.1491036 0.951 0.1501059 6.1	.936 0.1713042 0.959 0.16531071 9.9	0.1 3.0. 6.01.9 064.0 PPU. 0/VI.U 916.0 CI.O.	-0.95070014009 0.0075021

RUN 31		HACH= .603	#	5.63*10**6	9==0	CONFIG	CONFIGURATION		10	37	MACH#.	.610	ž	5.58#10##6	1	CONF 164	CONF IGURATION	æi
PT ALPHA	CLBAL	COBAL	CHBAL	CLP	ē	2	29 84 L	5	PT ALPHA	HA CLBAL		CDBAL C	CrBAL	CL	8	<u>a</u>	Co BAL	5
1 -0.06 2 -0.98	112 0.066	0.0166	016	052 0.113	0.0123 0.0123	026	9. % 8. %	4.2 9.1	1 -6.21	495 12		0.0050	0.014	679	9.9939	0.031	5.7	-7.7
									NO.	2	MACH= .830	930	# X	5.62#10##6	Î	CONFIG	CONFIGURATION	=
RUN 32	MACH	# .3%	#	3.45*10**6	90]	COMFIG	COMFIGURATION	-	PT ALPHA	HA CLBAL		COBALC	CHBAL	ਰੈ	8	9	Se BAL	5
PT ALPHA	CLBAL	COBAL	CHBAL	5	8	5	2 BY	5	1 -4.20	20469		0.0879	- 220.0	637	9.0066	0.035	-5.3	-7.5
1 0.01 2 6.13	0.756		006 •.012	0.098		017												
									NS.	2	MACH# .399	399	<u>"</u>	3.57#16##6	?	CONFIG	CONFIGURATION	
RUH 33		MACHE .598	Z	4.77#10##6	94401	CONFIG	CONFIGURATION	=	PT ALPHA	HA CLBAL		CDBAL C	CHBAL	à	8	8	2	5
PT ALPHA	CLBAL	COBAL	CPBAL	5	8	a 50	Co BAL	\$	1 -0.03		0.137	, ,				017		2.7
			- 000	0.120	0.0077	019		15.4		6.15 8.6	¥0.	•	012	0.747	1.0001	012		92.5
3,16	0.510	1000.	0.00% 0.023	0.485 0.814	0.0004 0.0106	016	104.4	43.5										
		0.0716	0.017		0.0509	012	16.0	15.7	2	Ŧ	MACH: .403	403	ž	3.61#18##6	I	CONFIG	CONFIGURATION	
•		0.0700	0.017		0.0230	011	7.	15.7	PT ALPHA		CIBAL	CDBALC	CHBAL		90	5	50 BAL	2
			\$00°	. 463	0.0005	015		. +. 2.	•									:
			-,000	9.116	0.0073	019		16.0		90.0	0.230 0.687		-	221.0	B. 8075	012		99.5
11 0.02	6.092		900'-	987	0.0072	610'- 220'-		13.6	. w		0.073	'	013			012		97.7
* H24		MACH= .697	#	5.20=10==6	9=+01	CO# 16	CONFIGURATION		MCM.	7	MACH= .702	702	#	5.38#10##6	9##6	CONFIG	CONFIGURATION	
PT ALPHA	CLBAL	CDBAL	CLEVI	C C	Ŝ	5	S BAL	<u>.</u>	FT ALPHA	HA CLBAL		COBALC	CHBAL	CLP	8	5	L/D BAL	10.
1 -6.24	597	0.0663	620	669	.0504	017	•.•	-13.5	7		•		016			022	ж. 6	9 .
									† †	.50						023	7. 6. 6. 9	ş. 4.
									4 -0.52		. 969	- 6699.	017		9.0076	023	o.	9 .9
RUN 35		MACHE . 753	2	5.41*10***	10**6	CONFI	CONF. IGURATION		RN	2	MACH= .754	.754	ž	5.53#10un6	9***	CONF 16	CONFIGURATION	,
PT ALPHA	A CLBAL	CDBAL	CFBAL	บ	6 0	2	170 BAL	2	PT ALPHA		CLBAL C	CDBALC	CHBAL	כר		\$	L/D BAL	4 0/1
1 -6.22	905'- 2	0.0641	013	692	0.0635	012	-7.9	-11.1	-	.61 0.0	0.032 0.	0.0132 -	016	0.014	. 0009	027	4.	5.1
% NOW		MACH= .793	S.	5.56#10##6	9==01	CO## 1	COMFIGURATION	1	2	Ģ	MACH:: .778	.778	Ë	5.56#10##6	9==0	CO4F 1G	COMFIGURATION	
PF ALPHA	A CLBAL	COBAL	CMBAL	CLP	GOD	CHE	So BAL	Ŝ	PT ALPHA		CLBAL C	CDBALC	CMBAL	CLP	Ö	3	1/0 BAL	1 /0 P
1 -6.22	24%	0.0752	0.001	662	0,0940	0.010	9.	9.0	1 -0.65		0.034 0.	0.0072	019	0.031	0.0097	026	9 .	3.2

MACH= .601 RN= 5.66*10**6 CONFIGURATION AL CDBAL CHBAL CLP CDP CMP L/D BAL	S.66mlombs	1) On Pic	CONFIGURAL	S S	TION	. 5	PT AI	N SS ALPHA C	NACH=0.461 CLBAL CDBAL	_	FN= Creat	3.60*10**6	į Š	CONFIGURATION		<u>.</u> 5
0.0117016 6.003 6.0106026 1.1	0.003 0.0108028	0.0100020		1.1		6.3		• •	.200	-	020	1.087 1.132	• •	015		
MACH 625 RN= 5.71 . 10 CONFIGURATION	5.71*10**6		CONFIGURATION	GURATION			me	••	.170			0.114	•	210-		
CDBAL CIBAL CLP CDP 'CHP L'D BAL L	CLP COP CHP L/0 BAL	COP CHP L/O BAL	2 B VI		_	5	•		.101		007	D.744 D.112	• •	016		
0.0216017043 0.0131024 -0.5	643 0.0131024 -0.5	0.0131024 -0.5	-0.5	rė.		-3.2										
MACH = . 845 RN= 5.74 #10#+6 CONFIGURATION	5.74#10##6 CONFIGURATION	CONFIGURATION			-	-										
COBAL CHBAL CLP COP CHP L/D BAL	CLP COP CNP	GP CHP	9	Co BAL		5										
0.0116021 0.020 0.0179043 -0.4 0.0290026 0.059 0.0191051 0.5	0.020 0.0179043	0.0179043	043	9.6		1.5	2	\$	ä	900	# #	6.04#18##6	1	CONFIG	CONFIGURATION	
HACH=0.401 RN= 3.59 #10##6 CONFIGURATION	3.59 =10==6	•	CONFIGURATION	GURATION	-	_	4	ALPHA C	CLBAL	CDBAL	CLBAL	<u>.</u>	8		LO BAL	5
CYBAL CLP COP CNP L/D BAL	CLP COP CMP L/D BAL	COP CMP L/D BAL	CHP L/D BAL	BAL		5		2.5	219.	1007	¥0	0.100		012	. e.	
			;				•	. 6	•	1009	022	0.039		9.0	5.	
	0.744	•	012				4 ₩	6.35		1003	033	•.117 •.176		358 066	. 0	
9.005	9.005		017					5		.1027	033	0.105		051	۳.۳	
							P	- 2/.0	• 820·		979		٠			
MACH=0.928 RN= 6.45#10*#6 CONFIGURATION 1	6.45#10##6 CONFIGURATION	6 CONFIGURATION			~											
CDBAL CHBAL CLP CDP CNP L/D BAL L/	CLP COP CHP L/O BAL	COP CNP L/D BAL	CHP L/D BAL	רים פער	2	2	2	2	MACH=1.071	1.0.1	Ë	5.96410446	9		CONFIGURATION	-
900 0	900 0	900 6	400				1	ALPHA C	CLBAL	COBAL	CYBAL	913	8	5	L/D BAL	2 2
112	112010	010						0.15	200	.0904	032	9.100		049		
0.002046017	046	017						. 23		0.0003	-,019	0.010		* C	٠ د.	
								10.0	0.021	2460	35.0	.144		950	9.9	
									.025	0690	023	9.0		0.1	F. 0	
MACHED 404 BM= 3.64#10##6 CONFIGURATION 1	3.64#18##6 CONFIGURATION	6 CONFIGURATION			_		• 1		0.020	.0924	030	0.101		0,0	0 0 0	
					•		•							!	; ;	
CDBAL CHBAL CLP CDP CHP L/D BAL L	CLP COP CHP CO BAL	COP CAP CO			נ	<u>.</u>				-						
020 0.102017 004 0.744012	0.102 0.744		-,01 <i>7</i> -,012													
MACH=0.925 RN= 6.01#10##6 CONFIGURATION 1	6.01#10##6 CONFIGURATION	6 CONFIGURATION			-		SC.	9 Z	MACK	MACH= .399	"	3.05#10##6	9==01	COMFI	CONFIGURATION	2
COBAL CHBAL CLP CDP CHP L/D BAL L/D	CLP COP CHP L/D BAL	COP CHP L/O BAL	CHP L/D BAL	79 BAL	2	<u>.</u>	Ы	ALPHA	CLBAL	CDBAL	CHBAL	3		5	S 841	4 P.
004 0.032 0.005	9.032 0.005	900.0					-	-0.24	0.039			9.114	0.0066	015		17.1
007 0.152005	9.152005	005					~	6.33	0.735		022		0.0071	015		109.0
-,004 0.226 0.003	0.226 0.003	0.003					M	6.23	0.725		016	0.763	9900.0	016		119.3
0.0766005 0.300005 4.2	0,300	500					.	3	0.700		022		6,0069	016		109.2
0.301	0.301	600					.	0.21	0.073			9	7900.0	015		4. 2. 5. 4 7. 5. 4
002036001	036001	001					^ د		0.055			0.141	0.0071	015		3
-,005 0,027010	0.027010	010										•				

ag de °		H# .307 CDBAL	RNS Creat	4.29#10## CLF (.0em6 CDP 0.0071	CONFIG CNP	CONFIGURATION CHP L'D BAL .015	. 5 .	P. P. L.	65 PHA 9.61	MACH= .599 CLBAL CDBAL 0.184	599 CDBAL	ING CPBAL 620	5.16e10e#¢ CLP G	3 8	CONFIG CHP	CONFIGURATION CHP L/D BAL	. 2 . 7.
			0.007	1.023		510-		103.9			415			22.		720		-22.7
5 12.00 5 13.00 6 13.00	1.262		920	1.223	0.0151 0.0151 0.0160	210°-		93.1 85.0 72.7	7	-1.17 - 26.0 3.26	021 0.109 0.508		220.	6.010 6.140		610. - 010.		2.6 2.6 5.7
		0.1009	075	1.274	0.0640	012	• • •	19.6			•			0.047		010	13.7	42.4
	1.291	70 V T • 00 T	2/0	1.326			1.7	78.4	* 2 :	10.42	1.025		720	10.1		021		16.9
	i o ii		0.004	1.363	0.0191	. 00.5		19.4			•••			96.9	1077		6.4 6.4	
EON 63		MACH= .500	ž	4.57#10##	7:0	CONF 16	CONF I GURATION											?
PT ALPHA	A CLBAL	CDBAL	CLEAL	3	9	5	29 BM.	5	z	5	ā		į	3.83s10ss6	1	CONF. 16	CONFIGURATION	~
			010	6.136		016		10.0	Ž	ALPHA C				ਰੇ	B	ŧ	8	<u>.</u> 5
3 -3.02			007	151	0.0215	021 013		-19.0 -27.3	~ w	S. 23.	1.091		014	0.129	5.83	014 016		10.4
797	9 010 9 102		e16 e19	6.126		****		2.4										
		0.0147	039	795	0.0076	- 015		16.3	2	3	MACH= .603	.603	7	5.21#10##6	*	CONFIG	CONFIGURATION	~
9 11.20			0.0	1.067	0.0562	010	100	15.5	H	ALPHA C	CLBAL	COBAL	CLEAL	CLP	8	\$	29 BM	Š
	-	0.1539	100	1.026	0.0939	440.	9 4	10.0		20.0	0.093	2000		0.139	2,0072	010	:	19.3
.	•	0.1910	•11	1.014		075	;	7.6	_		•			1.022		920	9.3	13.0
14 15.97	7 8.922	0.2343	129		0.1443	-,065	* *		2 Z	12.09 • 13.12 •	2%.	.1346	24.	. 993	1.1892		7.1	10.2
	• •		016	0.068		016 016		4.6					105	7.		076	15. 4. 1 15. 51	7 .0 7 .0
									₹	•	. 055		012	. 10		010		13.4
RUN SA		MACH= .401	ž	3.61 #10##	94 # 0	COMF 16	COMFIGURATION	~										
PT ALPHA	A CLBAL	CDBAL	CHBAL	ני	Ŝ	<u>a</u>	Co BAL	5										
1 0.03	3 0.110		023	0.131	6.0069	015		19.0										

Color Colo	- N	9 MACH=	1= .703	ž	5.734104H6	94401	CONFIG	CONFIGURATION	~	PUN 7	2.2	MACH= .	. 96 3	# #	9.101161.9	*	CONFIG	CONFIGURATION	~
12 12 12 12 12 12 12 12	ALPH		CDBAL	CHBAL	J.	ē	2 5	Co BAL					_	18AL	5	è	5	Par S	5
10	3,2	•		014	0.100	.00	021		16.8	77							0.012	4.L	 0.1.
15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5	-3.0			010		2 G	024			,									
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	7	•		017	0.110	0.0073	021		15.1										
Color Colo	2.1	•		720	0.420	0.0070	020		53.7			HACH:	ž	#	6.25d)	Ī	CONFIG	CONFIGURATION	**
10 10 10 10 10 10 10 10	4.2	•	;	167	669	6.0175	410°	1 6	27.6										
1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1	•	9 9	0.0924		0.00	0.0777	. 079		11.3					HBAL.	ฮิ	8	5	2	5
NAME CASE 0.1372 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.024 -0.02		•	0.1005	640	0.922	0.0614	053	9.7	14.9			•		• 16		9000	99	7	7
The color	101	•	0.1193	,	0.910	1190.0	053	7.5	11.2			9 9					- 002	9	, - -
NACH 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884 1884	11.2	•	0.1392	,	3.	0.0%1	990.	Ņ (•								}	Ì	!
High Class Color C	9.9	0 0	9000.0	: :	0.135		120	-	7.7										
Part Clear		,										MACH=.	202	₩.	5.59#1	7	CONFIG	CONFIGURATION	2
Fig. Color				2	6.31 *	70**6	CONFIG	HRATION						PBAL	CLP	8	\$	2 8	<u>.</u>
13	Y LP	3	u	CHBAL	CLP		5	79 BAL				9 59	• •				019		44
1.5 - 0.65	•	6	0.0115	015	•	6.0083	024	4.0	19.2										
1.0 0.004 -0.01 -0.01 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02	~		0.0222	005	,	0.0110	910	-19.6	-35.1										
1.5 0.266 051 0.207 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205 051 0.205	7		0.0061	013	1 4	1900.0	220-	-15.5	7.4.				751	1	5.80ml	711	CONFIG	CONFIGURATION	N
FIT APPRA CLBAL COBAL CRBAL CLP CDP CLBAL CRBAL CLBAL CRBAL CLBAL CRBAL CLBAL	· ·			016	.		920		27.51										
1.1. 16 - 16.55				170	•		0.51		75.7					HBAL	2	ē	5	2	2
1.25 0.555 0.6576000 0.759 0.0051005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	. 4		0.0333	3		0.0411	-,076	16.6	15.0			•				į		:	
1.13	Š		0.0578		ë	0.0550	079	10.3	12.5			•	' '			42.00	170	-	
7.15 0.652 0.0973 -1.29 0.0079 -1.02 0.03	•		0.0767	•	.	0.0703	065	 	10.4	•		•							;
1. 12 0.070 0.0254 0.014 0.017 0.0076 0.0254 2.0 16.7 PT ALPHA CLBAL CDBAL CDB	~ (9.0692	•	• •	100.0	000	. 4	7 7										
Thick Cold			0.0250	•	•	8	024	8. S	16.7		77		.778	## #2	5.934]	9440	CONFI	CONFIGURATION	~
THACH CLBAL CDBAL CrBAL CrBA CrBAL C		•	0.0280	•	•	8	023	-1.5	2.1				_	PBAL	5	8	5	S B L	5
7.1 MACHE .824 RN= 6.07*10***6 COMFIGURATION 2 7.2 HACHE .824 RN= 6.07*10***6 COMFIGURATION 2 7.3 HACHE .824 RN= 6.07*10***6 COMFIGURATION 2 7.4 -0.02 0.0256007 0.051 0.0061027 -1.1 6.2 PT ALPHA CLBAL CDBAL CTBAL CDBAL CTBAL CLBAL CDBAL CTBAL CDBAL CTBAL CLBAL CDBAL CTBAL CDBAL CTBAL CLBAL CDBAL CTBAL CTBAL CDBAL CTBAL CDBAL CTBAL CDBAL CTBAL										7		_			055	0.0074	023	-16.1	4.4
71 MACH= .024 RN= 6.07410#46 COMFIGURATION 2 4 -0.05023 0.0040021 0.022 0.0074 PHA CLBAL CDBAL CrEBAL CLP CDP CHP L/D BAI L/D P 1. 70026 0.0256007 0.051 0.0001027 -1.0 6.2 PT ALP/A CLBAL CDBAL CRBAL CLP CDP 2.74026 0.0256007 0.051 0.0001027 -1.1 6.2 PT ALP/A CLBAL CDBAL CRBAL CLP CDP 3.75026 0.0256007 0.0104027 -1.1 6.2 PT ALP/A CLBAL CDBAL CRBAL CLP CDP 4 -0.05 0.004 0.025 0.005 0.001 0.007027 -1.0 6.2 PT ALP/A CLBAL CDBAL CRBAL CLP CDP 1 -0.01 -0.017 0.007 0.001 0.007 0.001 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0										7					050	0.0073	022	-17.9	9.7-
CLBAL CDBAL CTBAL CTBAL CLP CDP CHP L'D BAL L'D P RUN 76 MACH .604 RN 6.01 6.02					6.07#	10**6	CONFI	SURATION	2	7 7	' '				220.0	0.007	024	-5.4	, o
1.74026 0.0249007 0.051 0.0061027 -1.0 6.2 PT ALP1A CLBAL CDBAL CPBAL CPBAL CDBAL CDBAL CPBAL CDBAL CPBAL CDBAL CPBAL	ALP	27		5	a)	CDP	G#3												
1 -6.81 CLBAL CDBAL CHBAL CDBAL CDBAL CDBAL CDBAL CHBAL CDBAL CHBAL CDBAL CHBAL CDBAL CHBAL CDBAL CDBA	•		0.0256	1		8	026	-1.0	6.2		92		904	2	6.01#	9 0 1	CONFI	CONFIGURATION	N
1 -0.81037 0.004017 0.006 0.006			0.0249	,		8	027	-1.1	6.2					CHBAL	CLP	8	Ē	L/O BAL	200
72 MACH = .646 RN = 6.14*10***6 CONFIGURATION 2 2 -6.65039 0.0067019 0.016 0.0075 1.73 0.003 0.0326 0.003 0.107 0.0103031 0.1 11.2 RNA 79 MACH = .626 RN = 6.08*10***6 9.69 0.004 0.0326 0.003 0.107 0.0104026 0.1 10.1 9.63 0.004 0.0326 0.003 0.107 0.0109021 -0.4 9.1 9.63 0.004 0.0329 0.005 0.009 0.009021 -0.4 9.1 9.63 0.004 0.0329 0.005 0.009 0.005 0.009 0.016 0.005 -2.9 3.2 2 -0.00 0.0056 0.0056009 0.052 0.0003 9.63 0.005 0.019 0.036 0.036 0.036 0.036035 -2.9 3.2 2 -0.00026 0.0056009 0.052 0.0003 9.63 0.0056 0.0076 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.0056 0.0003 9.64 0.0078 0.005 0.009 0.036 0.036 0.036 0.036 0.036 0.0056 0.0003 9.65 0.0093 0.0056 0.0093 0.036 0.036 0.036 0.036 0.0056 0.0003 0.0052 0.0003 9.65 0.0093 0.0056 0.0093 0.036 0.036 0.036 0.036 0.0005 0.0003 0.0003 0.00003 9.65 0.00093 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0										•	1	_	7,00	017	. 001	8.0075	622	-5.0	0.1
CLEAL CDEAL CMBAL CLP CDP CMP L/D BAL L/D P 0.003 0.0325 0.001 0.117 0.0103031 0.1 11.2 RUN 79 MACH= .620 RN= 6.08*10**6 0.004 0.0326 0.003 0.107 0.0104026 0.1 10.1 PT ALPHA CLBAL CDBAL CHBAL CLP CDP 013 0.0279 0.005 0.093 0.0099021 -0.4 9.1 PT ALPHA CLBAL CDBAL CHBAL CLP CDP 056 0.0193 0.010 0.0110015 -2.9 3.2 2 -0.00025 0.0056009 0.052 0.0063				"N	6.14	10**6	CONFI	GURATION	61	•	,	_	1900	019	9.010	0.0075	025	4.0	2.1
0.004 0.0326 0.001 0.117 0.0103031 0.1 11.2 RMM 79 MACH= .626 RN= 6.08#10#46 0.004 0.0328 0.003 0.107 0.004026 0.1 10.1 PT ALPHA CLBAL CDBAL CPBAL CLP CDP013 0.0290 0.005 0.091 0.0099021 -0.4 9.1 PT ALPHA CLBAL CDBAL CPBAL CLP CDP025 0.0250 0.025 0.005 0.016 0.016015 -2.9 3.2 2 -0.00026 0.0056009 0.052 0.0093	ALP		COBAL	CMBAL	CLP	COP	CHE	LO BAL											
0.004 0.0328 0.003 0.107 0.0104022 0.1 10.1 PT ALPHA CLBAL CDBAL CPBAL CLP CDP CDP CDP CDP CDP CDP CDP CDP CDP CD	,	•	0.0325			5	031	0.1	11.2		2		.626	N.	6.08m	9==01	CONFI	CONFIGURATION	2
62 - 013 0.0290 0.005 0.001 0.0099 - 021 -0.4 9.1 1 -0.04 - 031 0.0009 - 011 0.052 0.0003	0	•	0.0328			5 5	020	1.0	10.1					CHBAL	CLP	COP	3	L/D BAL	0 0/1
24 - 154 0 0.013 0.014 0.015 0.0116 - 1015 - 2.3 0.9 1 - 0.04 - 1011 0.0069 - 1011 0.052 0.0063	0	' '	0.0290			8	1.0.	7 M	1 4. 6					! !	i	į			
33 . 056 0.0193 0.018 0.018 0.0116015 -2.9 3.2 2 -0.00028 0.0056009 0.052 0.0083	- 4	٠ ،	0.0228			3 5	. 005	, e	6.0					011	250.0	0.0083	920'-	4.4	6.
	-	•	0.0193			5	015	-2.9	3.2					- 009	0.052	0.0083	0.20 -	6.2.	

	•				_	_								•	_										_			۰ .	J			_		٠	. سے		۰	6. 4	٠.		_	_		•	_	_	•	_	<u>_</u>
m	Š	3.7	5.		:	31.0	19.1	12.3	9.9	;		m		5		79.2	90	12.5	92.4	96.9	77	77.3	73.4	76.6	90.9	80.3	2	9.6			m	5		-	-12.1		-17.4	- 3.2	45.	90	43.0	=	•	7		9 .	5.0	12.1	•
CONF IGURATION	So BAL					30.5	÷.	٠.٠	•			CONFIGURATION		2				9.1													CONF IGURATION	LAB BAL	! !		-44.3						40.1	10.0	9.0	7.0	5.5	4.0	£.3	0°.3	
CONFIG	5	013	. 613	- 011	015		- 04 -	190.						5	017	•10		013	015		10	- 015	- 0]4	015	014	014	615	\$[0				CHP			017	÷.		=		613	-,004	010	022	033	047	059	2/0	120	016
9 1 0	8	9900.0	1.0067	0137	0.0177	6.0333	1.0544	0.0044	2690.0			*		8	4.0067	0.0078	0.0077	0.0793	1.0076	0.0071	0000	0000	1900	0.0003	0.0077	0.0077	. 999	0.0078	4.00.P		9 110	8		0.0070	9.6412		0.00		0.0072	.0090	9.020.0	0.0010	1969.	9.1162	9.1302	0.1406	0.1543	9.0792	0.0078
5.51=10==6	S.	0.032	4.630	1.016	1.149	1.063	1.0%	1.0%	1.015			4.78m18m4		3	0.020		6.621	1.003	127.	0.420	777	727	619.	9.622	129.0	9.628	0.620	•.619 •	129.0		5.63×10×46			9.012	495	322	*:-	-· 024	9.329	9.668	0.417	0.973	1.85	6.27	0.943	. £	0.929	969	030
7	CHBAL	020	. 631	022	022	032	64	060	790			Į		CYBAL	007	002	100	. 00 3	.00	0.00	100	900	0.00	00.0	0.003	0.007	- 903		. 00 S		ž.			•	100	9		61	9.00	0.009	1.026	001	009	023	047	050	070	017	012
106. =	CDBAL		-			D. 0374	0.0771	0.1093	1000			MACHE .401		COBAL				0.1234													MACH# .500	CDRAI			0.0136						0.1238	1.0987	9.110	0.1334	0.1667	0.1063	0.2082	0.1194	
MACH	CLBAL	9.068	. 667	1.050	1.122			98.	930.1					CLBAL	0.003	629	0.617	1.000	109	0.575	600	200	. 60	6.539	109.0	165.0	₹. •	0.601	209.		M C			026	613	418	176	062	6 .303	9.64	1.953	986.	0.970	0.939	926.0	9.912	0.095	966.	070
8	AL PHA	1.16	8 6	10.0	11.00	11.9	\$	7	2			2		ALPHA	•	2		12.04	-	*				8	20.4	. 63	7.05	= :	5		7	AI FWA		5	-5.39	-3.37	-1.33	-0.32	3.03	6.9	9.16	11.11	12.14	13.09	14.04	14.97	16.16	11.11	0.32
\$	P1 A1	-	~ ·	` =	: =	=	7 12	# :	51 e			3		z E				1	•	9			11	*	15	:	11	9	<u>.</u>		2	14		™	ī N	, ,	•	ī vā	•	_	•	•	10 01		12 1	-		15 1	16
~	\$	1.1	٠.٠	;		~		HACH NO.	342	700	.607	. 651	. 645	. 933											, T	•	5				*		2		• ;	-13.1	9. Zť -		9.9	7.09	91.9		13.4				•	20.7	
		-3.2 1.1	•	•		_		L'D BAL HACH NO.		200. 6.8-				1.7 .933												•	2 PAI 2							1	,	11.1 -115.1	9.26-	T. 0.	10.6	68.2	91.9				6.5 10.6		•	26.7 20.7	
CONFIGURATION 2	5	.004 -3.2 1	•	•		CONFIGURATION 2				-	-1.6	1.0	5.0	1.7											CONFIGURATION 3	•		4	610		CONFIGURATION		5		•	-11.1							12.4	9.5	6.5	5.5	;	26.7	
CONFIGURATION	CO BAL CO	.0119004 -3.2	0 11 - 003 - 51.7 0	3 7:1: STD:- OTTO:		CONFIGURATION		2	3.5-		-1.6	1.0	5.0	1.7											CONFIGURATION	•	2		670.		CONFICIENTION		2 148 2		.0130015	1.11- 010 -	S (0) -	.0065016	.0065014	.0056014	.0073015	50009	.0742013 12.4	15029 8.2	38038 6.5	44051 5.5	-,016	76 000 26.7	010 13.3
	CHP L/B BAL L/B	.0119004 -3.2	0.0114003 -5.7	3 7:1: STD:- OTTO:		_		CHE CO BY	3.5-	.061023 -3.9	022 -3.6	0.002 -0.1	20 - SOO O	1.7												•	DP CHP L'O BAL		STD:- //0.0				CHP L/D BAL L/D		0.0130015	0.0324016 -11.1	6.0071013	0.0065016	.071 0.0065014	.383 0.0056014	.475 0.0073015	.956 0.0150009	.005 0.0742013 12.4	0.1015029 0.2	.0938038 6.5	0,1044 - ,051 5.5	.039 0.0068016	.995 0.0476000 26.7	55010 13.3
CONFIGURATION	COP CHP L/B BAL L/B	0.014 0.0119004 -3.2	0.0114003 -5.7	3 T.A. STATE OTTO: A DZ0:0		THE 4.18418446 CONFIGURATION		COP CHP CAB BAL	8-2- 150	016 0.061023 -3.9	0.060022 -3.6	0.141 0.002 -0.1	0.144 0.605 -0.5	022 1.7											.84*10*** CONFIGURATION	•	COP CHP L/O BAL				CONFICIENTION		COP CMP L/O BAL L/O		6.653 0.0130015	171- 910- 525- 17-	235 0.0071013	053 0.0065016	8.671 6.0065014	0.383 0.0056014	0.675 0.0073015	.956 0.0150009	1.005 0.0742013 12.4	0.999 0.1015029 8.2	1.007 0.0938038 6.5	1.016 0.1044051 5.5	0.039 0.0068016	.995 0.0476000 26.7	1.001 0.0655010 13.3
RN: 6.12410#M6 CONFIGURATION	CLP COP CMP L/0 BAL L/0	6.016 6.014 6.0119004 -3.2	0.016 0.009 0.0114003 -5.7 0	3 T.h. STB OTTO-8 070.0 STD.D		THE 4.18418446 CONFIGURATION		CLP COP CHP L/0 BAL	8.5. F0.1. BAN 8.3.6	- 016 - 0.061 - 10.0 - 10.0 - 10.0	013 0.060022 -3.6	0.000 0.141 0.002 -0.1	8.000 8.144 0.005 -0.5	6.025 0.156022 1.7											.407 RN: 4.84:10## CONFIGURATION	•	CLF COP CHP L/O BAL			. 373	DAS A ATRIBURA CONFICURATION		CLP COP CHP L/0 BAL L/D		012 0.053 0.0130015	171- 910- 525- 17-	235 0.0071013	053 0.0065016	8.671 6.0065014	0.383 0.0056014	0.675 0.0073015	0.956 0.0150009	024 1.005 0.0742013 12.4	0.999 0.1015029 8.2	057 1.007 0.0938038 6.5	1.016 0.1044051 5.5	017 6.039 6.0068016	018 0.995 0.0476008 26.7	1.001 0.0655010 13.3
6.12#10##6 CONFIGURATION	COBAL CHBAL CLP COP CHP L/D BAL L/D	8.0144 6.016 6.014 6.9119004 -3.2	0.6155 0.016 0.009 0.0114003 -3.7 0	2 T.L. STD OTTO-0 070.0 GIO.0 0510.0 190.		4.18418## CONFIGURATION		CHEAL CLP COP CHP L/D BAL	2.5. FO . BAG B 210 . BAG A	014 0.061023 -3.9	0.0114 - 013 0.060022 - 3.6	6.6176 6.060 6.141 0.002 -0.1	8.0156 8.008 8.144 0.805 -0.5	0.0536 0.025 0.156022 1.7							•				RN= 4.84*16**6 CONFIGURATION	•	CHEAL CLF COP CHP L/O BAL		//0.0 000	. 373	A A San Sound		CHBAL CLP COP CHP L/D BAL L/D		- 012 0.053 0.0130 - 015	1.11- 810- 450 0 154- 010- 6940.0	****	910. 5900.0 150. 500.	-,008 6.671 6.0065014	.376010 0.363 0.0056014	.680008 0.675 0.0073015	004 6.956 0.0150009	8.8844 624 1.865 0.0742 013 12.4	C.1243044 0.999 0.1015029 8.2	0.1516057 1.007 0.0938038 6.5	.017 0.1864083 1.016 0.1044051 5.5	.073017 0.039 0.0068016	6.0368018 0.995 0.0476008 26.7	.032 0.0774034 1.001 0.0655010 13.3
RN: 6.12410#M6 CONFIGURATION	CHBAL CLP COP CHP L/0 BAL L/0	8.0144 6.016 6.014 6.9119004 -3.2	.33050 0.0155 0.016 0.009 0.0114003 -3.7 0	7 T.F. STB DTTD. B DZ0.0 GTD.B DST0.0 190		THE 4.18418446 CONFIGURATION		COBAL CHBAL CLP COP CHP L/O BAL	2.5- 7.00 - 0.00 B OAR - 0.00 B OAR -	0.010014 0.061023 - 3.9	- 042 0.0114 - 013 0.060022 - 3.6	- 60.0 0.01.0 0.00 0.141 0.002 -0.1	000 0.0154 0.000 0.144 0.005 -0.5	.04 G.092 G.0536 G.025 G.156022 1.7							,				.407 RN: 4.84:10## CONFIGURATION	-	COBAL CHEAL CLF COP CHP L/O BAL		//0.0 000	656'I 500'I 656'I	DAS A ATRIBURA CONFICURATION		. COBAL CHBAL CLP COP CHP L/D BAL L/D		6.646012 6.653 0.0130015	1.11- 810 4250.0 124 810 8940.0 615	20°- 100°- 100°- 20°- 20°- 20°- 20°- 20°- 20°- 20°-	.30671009053 0.0065016	.86 6.650006 6.671 6.0065014	0.378010 0.383 0.0056014	0.680008 0.675 0.0073015	0.998004 0.956 0.0150009	11.11 1.647 8.8644624 1.865 8.0742013 12.4	12.06 1.019 0.1243044 0.999 0.1015029 0.2	12.99 0.967 0.1516057 1.007 0.0938036 6.5	1.017 0.1864083 1.016 0.1044051 5.5	-0.21 0.073017 0.039 0.0060016	.036 0.0369018 0.995 0.0476008 26.7	.15 1.032 0.0774034 1.001 0.0655010 13.3

1 -0.15 -0.45 -0.45 -0.45 -0.45 -0.45 -0.45 2 -0.15 -0.45 -0.45 -0.45 -0.45 -0.45 3 -0.15 -0.45 -0.45 4 -0.46 -0.15 5 -0.45 -0.45 5 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0.45 -0.45 6 -0	1 - 0.15	MACH" .601 RN= 6.45#10##6 CONFIGURATION AL GOBAL CHBAL CLP CDP CHP L/D BAL
1 - 1.31 - 1.99	1	-,010
\$ - 0.40015 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.00025 \$ - 1.0002	## 1.124 0.015 ## 1.00 0.001 ## 1.00 0.001 ## 1.00 0.001 ## 1.00 0.001 ## 1.00 0.001 ## 1.00 0.001 ## 1.00 0.001 ## 1.00 0.001 ## 1.00 0.001 ## 1.00 0.001 ## 1.00 0.001 ## 1.00 0.001 ## 1.00 0.001 ## 1.00 0.001 ## 1.00 0.001 ## 1.00 0.001 ## 1.00 0.001 ## 1.00 0.001 ## 1.00 0.001 ## 1.00 0.001 ## 1.00 0.001 ## 1.00 0.001 ## 1.00 0.001 ## 1.00 0.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001 ## 1.001	007 6.669 6.0053011
## 1.18	## 1.10	114011 0.0077017
7 5.10 0.527 0.0115 -011 0.557 0.0100 7.53 7.5 0 0.021 -031 7.5 0 0.527 0.0100 7.5 0 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055	7 5.10 5.52 0.075 -0.01 0.057 0.0100 7.53 7.5 0 0.050 0.050 1.010 7.5 0 0.052 0.055 0.055 0.055 0.050 0.050 0.050 0.050 0.050 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055	112347 0.0161019
## S. F.	1	010 - 340 0.0163 - 019
10 - 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	10 - 1.16 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15 -1.15	- 1135 W.007 1.010
10 - 0.10 - 155 -155 -1515 0.007 -151 15.65 -151 15.65 -150 -155 -151 15.65 -150 -155 -151 15.65 -150 -155 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151 -151	10 - 0.10 - 154	200 - 147 B 5072 - 516
11 5.65 6.706 6.0002 657 6.0176 6.0196 657 6.017 6.0196 627 6.0196 627 6.0196 627 6.0196 627 6.0196 627 6.0096 627 614 242 6.0099 622 627 614 242 6.0099 622 627 614 247 647 647 647 647 647 647 647 647 647 647 647 615 615 615 615 615 615 617 647 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617 617	11 5.45 6.706 6.0002 057 6.0106 052 6.052 13 -1.13 190 016 021 6.0009 022 021 016 024 6.0009 022 021 016 024 6.0009 022 021 024 024 027 027 027 027 027 027 027 027 027 027 027 027 027 027 027 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 017 015 017 015 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017	100 B 4.89 B 5083 - 010
12 - 1.13301	12 - 1.13 - 3.01	0.01 B.009 B.0442 B.003 16.0
13 -1.13109	13 -1.13109	003 0.923 0.0590002 9.9
FILM 96 FMCH= .403 RH= 4.65#18##6 CDMFIGURATION 1 -0.27044 087049 0.0071015 2 -0.07 0.603 007 0.593 0.0075013 2 -0.07 0.603 007 0.593 0.0075013 2 -0.03 0.0075013 2 -0.03 0.0075013 0.0075013 0.0075013 0.0075013 0.0075019 2 -0.11047 011047 011044 012 014 015 0.0075019 0.10040 012044 0.0074019 0.0075019 0.0075019 0.0075019 0.0075019 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.0075020 0.007	FILM 96 TACH= .403 RH= 4.65#18#46 CDMFIGURATION 3 FT ALPHA CLBAL CDBAL CPBAL CLP CDP CPP L/D BAL 1 2	023 0.945 0.0794026 7.4
FILM 96	RUM 96	.1616050 0.929 0.1109047 6.0
FT ALPHA CLBAL CDBAL CLP CDP CDP CDP L/O BAL L 1 -0.27 -0.64667649 0.6071615 2 6.87 -0.64667649 0.6071615 2 6.87 -0.64667649 0.6071615 PT ALPHA CLBAL CDBAL CPBAL CLP CDP CDP L/D BAL L 1 0.11647611633 0.6074619 PT ALPHA CLBAL CDBAL CPBAL CLP CDP CDP L/D BAL L 1 0.10667611635 0.6074619 PT ALPHA CLBAL CDBAL CPBAL CLP CDP CPP L/D BAL L 2 0.11647611647612649 PT ALPHA CLBAL CDBAL CPBAL CLP CDP CPP L/D BAL L 3 0.21646612649 0.6074619 PT ALPHA CLBAL CDBAL CPBAL CLP CDP CPP L/D BAL L 5 0.22644613632 0.6075619 PT ALPHA CLBAL CDBAL CPBAL CLP CDP CPP L/D BAL L 6 0.22644659614640 0.6074620 PT ALPHA CLBAL CDBAL CPBAL CLP CDP CPP L/D BAL L 6 0.22644613634 0.6075619 PT ALPHA CLBAL CDBAL CPBAL CLP CDP CPP L/D BAL L 6 0.22647615654613635 0.6075620 PT ALPHA CLBAL CDBAL CPBAL CLP CDP CDP CPP L/D BAL L 6 0.22647615654 0.6075620 PT ALPHA CLBAL CDBAL CPBAL CLP CDP CDP CPP L/D BAL L 6 0.22647615635 0.6075620 PT ALPHA CLBAL CDBAL CPBAL CLP CDP CDP CPP L/D BAL L 6 0.22647615635 0.6075620 PT ALPHA CLBAL CDBAL CPBAL CLP CDP CDP CPP L/D BAL L 6 0.25647615635 0.6075620 PT ALPHA CLBAL CDBAL CPBAL CLP CDP CDP CPP L/D BAL L 6 0.25647615635 0.6075620 PT ALPHA CLBAL CDBAL CPBAL CPBAL CPP CDP CDP CPP L/D BAL L 6 0.25647615635 0.6075620 PT ALPHA CLBAL CDBAL CPBAL CPP CDP CDP CPP L/D BAL L 7 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	FICH 96	1775071 0.930 0.1441067 5
TALPHA CLEAL CREAL CIP	TALPHA CLEAL CREAL CTP - 049 0.0071 - 015 1 -0.27	091 0.940 0.1652096
Total Clear Crear Clear Clear Cor Cre Cre Crear -0.27 0.603 004 007 0.593 0.0075 015 -0.27 0.603 004 007 0.593 0.0075 015 -0.27 0.603 004 007 015 015 -0.27 0.604 Crear Crear Clear Crear	1 -6.27064	.2356086 0.932 0.1685075 3.9
1 -0.27044 007049 0.0071015 2	1 -0.27044 007049 0.0073015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015	017013 0.0073018
1 -0.27064 007049 0.0075015 015 015 007 0.593 0.0075013 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015 015	1 -0.27044 007 0.593 0.0075015	0.002 0.907 0.0496 0.002 13.1
MACH 194	The color The	1917 - 100 - 930 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
RIM 99 MACH = .784 RH	MAN 99	2.4 660 0.107 0.920 0.1070 - 2045
MAN 99	FUN 99	2043113 0.930 0.1649110
RUM 99	FILM 99 FACH .784 RN	0.902 0.1936097
MLM 99 MACH# .704 RN# 6.97#19#46 CONFIGURATION 1 0.11047 011 033 0.0074 019 2 0.11047 011 035 0.0075 019 2 0.11 047 011 035 0.0075 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 0	MUN 9	. 0026018
PT ALPHA CLBAL CDBAL CPBAL CLP CDP CPP L/D BAL 1 1 0.11047 2 0.11047011045011045011045011045011045011045011045011045011045012046012046012046012046013014014020014046015017014040015017014040015017014040015017014040015017014017014017014017014017014017014017014017014017014017014017014017014017014017014017014017014017014017014017014017017014017017017017017017018018019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019019	1 0.11 047 011 055 0.0075 0119 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149 0149	
1 0.11067	1	
0.11067	## 0.11047011035 0.0075019 ### 100	MACH" . 701 RN= 6.97#10##6 CONFIGURATION 3
MAN 100	MAN 100	COBAL CHBAL CLP COP CHP L'D BAL L'I
FUN 100 MACH= .753 RN= 7.23410446 CONFIGURATION 3 PT ALPHA CLBAL CDBAL CPBAL CLP CDP CPF L/D BAL 1 1 0.10060012044 0.0074019 2 0.10061013012 0.0074020 4 0.22044013012 0.0074020 PT ALPHA CLBAL CDBAL CPBAL CLP CDP CPF L/D BAL 1 1 0.10054054054020 2 0.23057013035 0.0075020 5 0.23051014035 0.0075020 6 0.47013035 0.0075021 7 0.25051014035 0.0075020 6 0.47013035 0.0075021 7 0.25051014009 0.0075021	PT ALPHA CLBAL CDBAL CLP CDP CNF IGURATION 1 0.10 060 081 044 0.0074 019 2 0.10 061 012 044 0.0074 019 3 0.21 064 013 097 019 4 0.22 044 013 0.0073 019 A 0.22 044 013 0.0073 019 PY ALPHA CLBAL CDBAL CHBAL CLP CDP CNF L/D BAL L/D BAL B 0.22 044 054 0.0074 020 019 FY ALPHA CLBAL CDBAL CHBAL CDBA 010 020 F 0.21 054 013 036 0.0075 020 F 0.22 047 016 010 020 020 F 0.22 054 <t< td=""><td></td></t<>	
RIM 100 MACH= .753 RN= 7.23#10##6 CONFIGURATION 3 1 0.10 060 012 046 0.0074 019 015 044 0.0074 020 015 015 024 0.0074 020 015 015 024 0.0074 020 019 015 013 020 019 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010 010	RIM 180 HACH= .753 RN= 7.23#18** CONFIGURATION 1 0.18 060 012 046 0.007 019 2 0.10 061 012 044 0.007 019 3 0.21 064 013 007 020 4 0.22 044 007 020 6 0.22 044 013 007 020 FT ALPHA CLBAL CDBAL CTP CDP CNFTGURATION FT ALPHA CLBAL CDBAL CTP CDP CNFTGURATION FT ALPHA CLBAL CDBAL CTP CDP CNFTGURATION F 0.21 064 001 007 019 F 0.22 044 004 007 020 1 0.10 064 007 020 2 0.21 064 007 020	610 - 9/00 0 9/0 -
NEW 160 MACH = .753 RN = 7.23#16##6 CONFIGURATION 3 1 0.16 060 012 044 0.0074 019 012 044 0.0074 019 015 019 019 015 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 020 019 019 020 019 020 019 020 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 019 -	PT ALPH 753 RN= 7.23#10#46 CONFIGURATION PT ALPHA CLBAL CDBAL CHBAL CLBAL CDBAL C	614356 0.0160026
FT ALPHA CLBAL CDBAL CHBAL CLP CDP CMP LAD BAL L 1 0.10040012044 0.0074019 2 0.10044013 0.0074019 3 0.21044013 0.0074019 4 0.22044013 0.0075019 FT ALPHA CLBAL CDBAL CPBAL CLP CDP CMF ICARATION FF ALPHA CLBAL CDBAL CPBAL CLP CDF CMP L/D BAL L 1 0.10059014050 0.0074020 2 0.23051014015 0.0075020 4 0.23051014015 0.0075020 5 0.23051014014019 0.0076021 5 0.25051014014019 0.0076021	FT ALPHA CLBAL CDBAL CLP CDP CMP LVD BAL I 1 0.10040012044 0.0074019 2 0.10044013014 0.0074020 4 0.22044013013 0.0075019 FT ALPHA CLBAL CDBAL CPBAL CLP CDP CMP CARATION 3 FT ALPHA CLBAL CDBAL CPBAL CLP CDP CMP LVD BAL I 1 0.10050014050 0.0074020 5 0.21050013015 0.0075020 5 0.25047014014054 0.0075020 6 0.47016014014029 0.0076021 7 0.47016014010 0.0075020	014 163 6.0091
PT ALPHA CLBAL CDBAL CTGAL CLP CDP CTP L/D BAL L 1	PT ALPHA CLBAL CDBAL CTGAL CLP CDP CTP L/D BAL L 1	016 076 0.0076
PT ALPHA CLBAL CDBAL CTGAL CLP CDP CTP L/D BAL L 1	PT ALPHA CLBAL CDBAL CTP CDP CTP L/D BAL 1 1 0.10 -0.60 -0.012 -0.44 0.0074 -0.019 -0.012 -0.44 0.0074 -0.019 -0.012 -0.44 0.0074 -0.019 -0.020 -0.012 -0.04 0.0074 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.014 -0.019 -0.020 -0.020 -0.020 -0.014 -0.019 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020 -0.020	019 0.249 0.0069017
1 0.16 060 012 014 0.0074 019 2 0.10 061 012 044 0.0074 020 3 0.21 046 013 031 0.0075 020 4 0.22 044 013 032 0.0075 019 5 0.22 047 014 040 0.0076 020 6 0.23 051 054 014 015 0.0075 019 7 ALPHA CLEAL COBAL CPEAL CLP COP COP L/O BAL	1 0.16 060 012 044 0.0074 019 2 0.10 061 012 044 0.0074 020 3 0.21 044 013 037 0.0075 020 4 0.22 044 013 032 0.0075 019 5 0.22 044 013 032 0.0075 019 6 0.47 016 059 014 056 0.0075 020 7 0.47 016 014 014 007 020 6 0.47 016 014 014 007 020 7 0.47 016 014 014 007 020 6 0.47 016 014 007 020 7 0.47 016 014 007 020 8 0.47 016 014 007 020 9 0.47 016 014 007 020 1 0.47 016 014 007 020 1 0.47 016 014 007 020 1 0.47 016 014 010 0.0075 020 1 0.47 016 014 010 0.0075 020 1 0.47 016 014 010 0.0075 020 1 0.47 016 014 010 0.0075 020 1 0.47 016 014 016 0075 020 1 0.47 016 014 016 0.0075 020 1 0.47 018 014 016 0.0075 020 1 0.47 018 014 014 010 0.0075 020 1 0.47 018 014 014 015 020 1 0.47 018 014 014 015 020 1 0.48 014 014 014 015 020 1 0.48 014 014 014 014 020 1 0.48 014 014 014 014 014 014 1 0.48 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014	012 0.469
1	1	3205 0.002 0.701 0.
2 0.10061012044 0.0074020 3 0.21046013013 0.0075020 4 0.22044013013 0.0075019 3 6 0.22044013012 0.0075019 FT ALPHA CLBAL CDBAL CTBAL CLP CDP CTP L/D BAL L P 1 0.10059014050 0.0075019 5 0.25051013015 0.0075019 5 0.25051014015 0.0075019 5 0.25051014015 0.0075020 6 0.23051014015 0.0075020 7 0.25016015016 0.0075021	2 0.10061012024 0.0074020 3 0.21066013013 0.0075020 5 0.22064013013 0.0075019 3 0.22064013012 0.0073019 PT ALPHA CLDAL CDBAL CPBAL CLP CDP CPP L/D BAL L 2 0.21056014026 0.0075020 5 0.23051051014019 0.0075020 6 0.47016014015 0.0075020 6 0.47016014015 0.0075020 6 0.47016014019 0.0075020	022 0.059 0.0488022
9 9 1 - 044 - 013 - 011 0.0076 - 020 1.3	3 0.21 046 013 031 0.0076 020	1828 - 012 8 ARD 0 0594 - 010 - 84
FUN 101 MACH# .701 RN= 7.32#10##\$ CONFIGURATION 1 FUN 101 MACH# .701 RN= 7.32#10##\$ CONFIGURATION 1 FT ALPMA CLBAL CDBAL CPBAL CLP CDP CPP L/D BAL L 1 0.16059013050 0.0075020 2 0.21054013035 0.0075019 4 0.25047013035 0.0075019 5 0.25051014015 0.0075020 6 0.27016014015 0.0075020 6 0.27016014015 0.0075020	FIA 101 HACH= .701 HN= 7.32*10*** CONFIGURATION 3 FT ALPHA CLBAL CDBAL CTBAL CLP CDP CTP L/D BAL 1 1 0.10059014050 0.0075020 2 0.21056013035 0.0075019 5 0.22047016013036 0.0075020 6 0.47016014069 0.0075020 6 0.47016014019020 7 0.47019014019 0.0075020	11 - 01 0 00¢ 0 00¢ 100 0 110
FUN 101 HACH= .701 RN= 7.32#10##\$ CONFIGURATION 3 FT ALPHA CLBAL COBAL CYBAL CLP CDP CYP L/O BAL L P 1 0.16059014050 0.0075020 P 2 0.21056013035 0.0075019 \$ 0.25051014035 0.0075019 \$ 0.25051014035 0.0075020 \$ 0.25051015015 0.0075020	FUN 101 MACH ² .701 RN ² 7.32×10×46 CONFIGURATION 3 FT ALPHA CLBAL COBAL CYBAL CTP CD CYP L/O BAL L P 1 0.10059014050 0.0075020 9 1 0.23057013035 0.0075020 6 0.47016013019 0.0076021 7 0.47016014019 0.0075020	6'/ Tho: OCIDIO 104'D Cho: P16'
FUN 101 HACH= .701 RN= 7.32#10##\$ CONFIGURATION 3 FY ALPHA CLBAL CDBAL CPBAL CLP CDP CPP L/D BAL L/D	FUN 101 HACH= .701 RN= 7.32#10#46 CONFIGURATION 1 FT ALPHA CLBAL COBAL CPBAL CLP CDP CPP L/D BAL L/D	020 - //00 0 6/0-
FUN 161 HACH= .761 RN= 7.32#10##\$ CONFIGURATION S FT ALPHA CLBAL COBAL CPBAL CLP COP CPF L/D BAL L/D 1 0.16059015050 0.007\$020 2 0.21056013036 0.007\$020 3 0.25047013035 0.007\$019 5 0.23051014035 0.007\$019 5 0.23051014015 0.007\$020 6 0.47016015019 7 0.47016017019	RUN 101 HACH= .701 RN= 7.32#10#4 CONFIGURATION State ALPHA CLBAL CD0AL GrBAL CLP CDP CrP L/D bal L/D	019120 0.0076020
FUN 101 HACH= .701 RN= 7.32#10##4 CONFIGURATION S FT ALPHA CLBAL COBAL CPBAL CLP COP CrP L/D BAL L/D 2 0.21 -0.054013 -0.05 0.0075020 3 0.25 -0.07013 -0.05 0.0075019 4 0.23 -0.051014015 0.0075020 5 0.23 -0.051014015 0.0075020 6 0.47016015009 0.0075021	FUM 101 MACH = .701 RN = 7.32*10**4 CONFIGURATION STATE STATE CONFIGURATION STATE STATE CONFIGURATION ST	0.0637033 B.Z
P 1 0.16059014050 0.0074020 2 0.21056013036 0.0075020 3 0.25047013035 0.0075019 4 0.23051014035 0.0075019 5 0.23051014035 0.0075020 6 0.47016015009 0.0076021	FT ALPMA CLBAL CDBAL CTBAL CLP CDP CTP L/D BAL	
FT ALPHA CLBAL CDBAL CFBAL CLP CDP CTP L/D BAL	1	
1 0.16059014040 0.0074020 2 0.21056013036 0.0075020 3 0.25047013035 0.0075019 4 0.23051014035 0.0074019 5 0.23051014009 0.0075020	1 0.16059014040 0.0074020 2 0.21054013030 0.0075020 4 0.25047013035 0.0075019 5 0.25051014015 0.0075019 6 0.47016014010 0.0075021 7 0.47019014010 0.0075020	MACH= .402 RN= 4.62#10##6 COMFIGURATION 3
7 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 0.21056014 0.0074020 9 1 0.25054015 0.0075020 9 2 0.23051014015 0.0075019 5 0.23051014015 0.0075020 6 0.47016014019 0.0075021 7 0.47019014010 0.0075020	
3 0.21054013015 0.0075020 5 0.0074019 6 0.0074019 6 0.0074019 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.0074020 6 0.00	5 0.21056043036 0.0075020 3 0.25047013 0.0074019 4 0.23051014015 0.0074019 5 0.23051013036 0.0075020 6 0.47016014019 0.0075020 7 0.47019014010 0.0075020	CUBAL CABAL CLP COP CHP L/O BAL L/
3 0.25047013035 0.0075019 4 0.23051014035 0.0074019 5 0.23051013034 0.0075020 6 0.47016019 0.0075021	3 0.25047013035 0.0075019 4 0.23051015 0.0075019 5 0.23051015054 0.0075020 6 0.47016014009 0.0076021 7 0.47019014010 0.0075020	
6 0.23051016035 0.0076019 5 0.23051013036 0.0075020 6 0.47016019009 0.0076021	4 0.23051014035 0.0074019 5 0.23051013036 0.0075020 6 0.47016014009 0.0076021 7 0.47019014010 0.0075020	007 0.0075016
5 0.23051013036 0.0075020 6 0.047016014009 0.0076021	5 0.23051013036 0.0075020 6 0.47016014009 0.0076021 7 0.47019014010 0.0075020	0,597 0.0077015
120 200 200 200 200 200.	016014009 0.0076021 019014010 0.0075020	
200 M 200 M 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 -		
	575' 6750'9 515' FTO': ATO': A	

PT ALPHA 1 0.43 2 0.45 RUN 103	CLBAL	COBAL	Ž	•														
ž				ฮี	è	d C	S BAL	5	t	ALPHA	CLBAL	CDBAL	CHBAL	3	8	5	S BAL	5
Ş	034	0.0039	814	025	0.0077	019	9.6	-3.8	-	-0.03	014	0.0341	0.00	110.0		100	4	
RUN 103		0.0042	813			014	-7.6	-3.1	~	-2.37	229	9.0247	9.029	502		022	9	
RUN 103									m	-1.4	127	1.05 T	012	127		1.224	7	
RUN 103									•	-1.25	014	0.0330	400.			764		
RUN 103										1.12	160	1050	.00	107				
	TO NO.	MACH= .831	1	7.45#	7.45010004	COMMETE		•	• ◀		171	86.26					:	
		,	•		•		Lange Lange	-	• •							. 60	4. F	
A				i					•		752.B	- 054B	920'-	6.263		023	4.4	
E	1			3	B	5	3	5	•	-0.20	15	1.0335	9 00.	9.03		0.023	9	
1 0.43	037	0.0047	412	120	0.0079		2.5	9.5	!									
							•	1.3-	Æ	EN 110	¥Q.	MACH=0.961	, v	7. 92 #10au6	7220	CONFI	CONFIGURATION	
									K.	ALPHA	CLBAL	CDBAL	CHBAL	3	8	5	S	5
RUN 104	MACH	MACH* .657	***	1.52#10##6	10**6	CONF 16	CONFIGURATION	•	-	-0.19	. 003	74 74	•			;		
			į	•					•	-1.21							:	
FI ALPMA				ฮิ	8	2	1 2 3 3 3 3 3 3 3 3 3 3	5	-	7.	-	9.050						
54.8	007	71.10		4			•		•	1.65	0.093	1.0567	029	1				
						210	•	•	un.	2.10	0.149	.040	X	0.170				
				700		£ 10	2.1-		•		9.614	1050-	022	0.027				
			710	100		200-1		-7.4									:	
	•		20.	6113	1600.0	110	15.6	12.5										
7.69							2.001	57.4										
	_		9					2.62	£		7	MACH=1.071	Ë	7.92=18==6	Į	CONFIG	CONFIGURATION	
	_					110.	7	7.										•
							7	?	k.	ALPHA	CLBAL	COOVE	CHEAL	3	B	5	So BAL	5
									-	-6.63	0.015	0.0514	770	110.0			•	
200	, TAN	MACUS.		•				1				0.0497	022					
			Ė				COMPTEURATION	,	n	-6.X	011	0.0491	024	000				
V/10/17			į				:		*	1.12	_	1.0519	032	0.102				
	1			3	B	<u>.</u>	2	5	I	ž	_	0.0554	040	0.150		910		
**					•				•	7		0.0550	027				• •	
\$ i	250.		. 005	828	0.0143	0.020	8 .7	-T.		!			Ì				7.0	
Š.		4.016.	. 005	031	9.0146	0.023	1.0	-2.1										
RUN 106	TACH	MACH . 901	#	7.61-10**6	9**01	CO# 16	CONFIGURATION	r.										
PT ALPHA	CLBAL	CDBAL	CLBAL	25	è	a	2 84	5										
	•	. 6239	100 ·	9.01 6	0.0216	9.00%	1.9	٠.٧										
RUN 106	MACH	MACM=0.405	*	4.75 #10##6	9==0	CONFIG	CONF 1GURATION		5	RUN 122	MACH	MACH= .411	7	4.49410##	*	CONF. 16	CONFIGURATION	7
ALPHA	CLBAL	CDBAL	CHBAL	CLP	900	- - - - -	רש פער	5	ā	ALPHA (CUBAL	CDBAL	CHBAL	כר	8	5	170 BAL	9
9 6	030		900.	017		012					029		0.017			. 009		
	2.240		001	0.593		029			•		1.567		0.013	0.609	0.0097	0.005		4.50

	5	4.0	39.0	65.6	2	93.6	69.3	10.5	5.3	13.1	-11.2	7.			•		3	. s	27.4		_	_	<u>.</u> 5	~	-15.2	-26.3	-15.4	•	7.43	1.5.1	13.0	6.5	7.0	9.9	٠.		9.01-	1:1	A .	A	7 0	13.9	6.9	7.3	5 .
ATTON 4	120 BAL 1								•		•										4 MATTON 4		2 PAL -		- 6.93-		•				9.1	7.1	4.4	. .	9.6		-					9.5	0.0	6.5	
CONFIGURATION	2	.010	•••	100.	200-			.012	605	.036	200.	.001			CONFIGURATION	į		:	6.604 F. 801	<u> </u>	CONFTCIBATION		₽. 7		1		200.0	200	200	919	000	000	030	032	027	600	200.		200		0.013	600	003	220	. 65 s
	8					7210						.0073				8	}		0.0373				8	8070				•							_	101.			2/20-	•	, ,			_ '	9/00.
4.75#10##4	3	•	•	•	•	100	•	•	•	•	•	• 001 • 001			4.40#10##¢		3	_	1.025 •	•	5.95+10##4		ਹੈ		•	•	•	•	1.355	•	•	•	•	•	960.0	•	•	•	777	•	• •	•	•	•	0.010
#	CHBAL	0.000	1	0.00								0.00			# X	į			000		**************************************	İ	CHBAL	. 00 X	700-	6.003	0.013	000	7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A.0.0	100	033	150	057	920						0.011	001		9,0	\05.0
. 303	COBAL							1.10%	D. 0062	D.1104					MACH= .404						MACH= .608		CDBAL		0.0199						1.1049	1.1247	0.1297	0.1339	1440	10/1-							0.1330	1.12%	
HACH:	CLBAL	025	9.202	. So.	900	441	1.266	1.10%	0.030	1.040	000	015			¥0			100	1.0%		MACK		CLBAL	0.010		327	103	0.017	727	0.972	0.957				0.639	338.0		344	344	7.2	6.979		906.0		D 70.
RUN 126	ALPHA	-0°	2.9	6.05		12.32	13.3	147	14.97	16.03	99.0	-0.13			PUM 128	41014		-0.16	2. S		RW 129		ALPHA	-0.02	-5.39	-3.42	-1.32	2		72.	10.20	11.43	12.31	13.03	13.92	. q-					9.25	10.21	11.28	\$1.21	5
Œ	4	*	~	•	•	• ^	•	•	=	=	~	2			E	•	:	-	NM		E	!	E	-	~	~	•	.	• ^	•	•	7	= :	21	2	: =	3 2	1 1	: =	?	2	12	22	23	5
•	•		_		•	ų 4	•	•	m	s,	•	~ u	n •	•	*	.	ņ ~	ļ				•	•	4 -		•	•	•	·	• •	• ~	•	•	•	۰ به	•									
	_	-	•••••••••••••••••••••••••••••••••••••			• _	: .:	•	ż	2,	22	11.7	: :	<u> </u> ~	4.9	٠ خ	• -	•			Δ	•	-15.4	-32.4	ŕ	39.	7	6	±ં :	ું •	7.7	٠	'n	ż	÷ :	ŗ									
•	Š	2.7	-25.3	*	•		i	•								-	Ī	•		•	2		•	•																					
GURATION 4	29 BAL 52	2.7	-25.3	¥ ;		- 33	Ä					7.01	9.0							SURATION 4	2 84 2		-26.6						10.7	n 4	7.7	6.7	9 . 9	8 .0											
CONFIGURATION 4			- 605		.01-		0.00				20.0				6.4					CONFIGURATION 4		0.003	-26.6		0.002	0.005	0.003		~	- 400 - 400 - 1				S	. 00 J	100.0									
•	Lo BAL	0.000	- 005	700 0 060 100 0 100	100.0 / 000	B. 002	0127 0.000	0101 6.001	120 0.006	242 0.014	643 6.009 20.8		970 - 670	211056 6.4	6.4	1.1	004 G.001			•	2 84		323 612 -26.6		5900	6000	960	167 0.019	0567 0.019 1		156036	047	546054	S	9							٠			
4.30mlown6 CONFIGURATION 4	CIP L'O BAL	0.0101 0.000	.471 0.0107005	300 0 0000 0 0000 0 0 0 0 0 0 0 0 0 0 0	. 100 0 000 0 001 001 0 001 0 001 0 001 0 001 0 001 0 001 0 001 0 001 0 001 0 001 0 001 0 001 0 001 0 001 0 001 0 001 0 001 0 001 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	105 B. 0110 B. 002	.317 0.0127 0.000	.614 6.0101 6.001	.695 6.0120 6.006	.033 0.0242 0.014	.02 0.0043 0.009 20.B	0.0805020	070° - 670° - 670	.974 0.1211058 6.4	972 0.1756068 6.9	971 0.1770075 6.1	004 G.001			S.16#10##6 CONFIGURATION 4	CHP L'0 BAL	087 0.003	0.0323012 -26.6	6.0110002 6 6666 6 664	€.0005	6.0009	0.000	0.0167 0.019	8.0507 0.019 1	6.07.4003 6.0017 - 018	.696 6.1156636	.893 0.1396047	.877 0.1546054	.881 4.1804081 5	9000 0.000	003 0.001						٠			
•	CDP CNP L/D BAL	9.927 8.6101 6.000	010 471 0.0107 005	- 100 0 0000 0 000 -	100 0.004 0.001	0.51	119 0.317 0.0127 0.000	116 6.614 6.0101 6.001	014 0.695 0.0120 0.006	.622 1.633 0.0242 0.014	1.622 0.0443 0.009 20.8	6.949 6.6605626	070° - 670° - 670	9.974 0.1211056 6.4	0.972 0.1756068 6.9	092 0.971 0.1770075 6.1				•	COP CHP L/O BAL	.006 6.0067 0.003	508 4.0323012 -26.6	6.0110002 6 6666 6 664	005 0.0005	0.347 0.0069	0.651 0.0090	0.907 0.0167 0.019	0.011 0.952 0.0587 0.019 1	- ALC - VID ALC - ALC	030 0.696 0.1156036	033 0.693 0.1396047	046 0.677 0.1546054	072 0.681 0.1804061 S	.014050 0.0056	". old 0.0005 0.001				-		٠			
.395 RN: 4.30#10##6	CLP CDP CMP L/0 BAL	.019 0.827 0.8101 0.000	010 471 0.0107 005	026309 0.6096 0.004	052100 W.004/ W.001	200.0 TOUGHT NO 620.0	0.019 0.317 0.0127 0.000	6.016 6.614 6.0101 6.001	0.014 0.095 0.0120 0.006	0.022 1.033 0.0242 0.014	.0499 0.019 1.022 0.0443 0.009 20.0	020 - 976 0 956 6 960 0 9660		.0991050 0.974 0.1211056 6.4	473 9.972 0.1756068 6.9	.1011092 0.971 0.1770075 6.1	100 000 0 000 0 000 0 000 0 000 0 000 0 000 0			.496 RN= 5.16#10##4	. כוש כטש כוש רים פער	.015 0.006 0.0067 0.003	508 4.0323012 -26.6	357 0.0110002 - 119 0 0086 0 001	005 0.0005	0.347 0.0069	0.651 0.0090	0.020 0.907 0.0167 0.019	0.011 0.952 0.0587 0.019 1	- ALC - VID ALC - ALC	.030 0.696 0.1156036	033 0.693 0.1396047	046 0.677 0.1546054	072 0.681 0.1804061 S	.014050 0.0056	100.0 (900.0 ATO 210.				-		٠			
BH: 4.30#10##6	CHBAL CLP CDP CMP L/0 BAL	.019 0.827 0.8101 0.000	0.010471 0.0187005	\$100 0 0000 0 000 0 000 0	052100 W.004/ W.001	200.0 TOUGHT NO 620.0	0.272 0.619 0.317 0.0127 0.000	0.570 0.016 0.614 0.0101 0.001	0.050 0.014 0.095 0.0120 0.006	1.015 0.022 1.033 0.0242 0.014	8.02 8.019 1.022 8.0441 8.009 20.8	020 - 976 0 956 6 960 0 9660	070'- 6700'0 426'0 010'- 7660'0	0.0991050 0.974 0.1211050 6.4	9.1171473 9.972 0.1756068 6.9	0.1011092 0.971 0.1770075 6.1	100 000 0 000 0 000 0 000 0 000 0 000 0 000 0			BN= 5.16*16**6	CHEAL CLF COP CIP L'S BAL	.015 0.006 0.0067 0.003	9.8504 8.604508 8.8323612 -26.8	237357 6.0110002 237357 6.0110002		0.011 0.347 0.0069	0.000 0.651 0.0090	0.02 0.907 0.0167 0.019	6.6669 6.011 6.952 6.0567 0.019 1	6.6756 6.664 6.924 6.974005	030 0.696 0.1156036	0.1204033 0.893 0.1396047	0.1350046 0.677 0.1546054	0.1478072 0.881 0.1804081 S	6.014050 0.0056	100.0 (000.0 ATO ZID.0				-		٠			
.395 RN: 4.30#10##6	CDBAL CHBAL CLP CDP CMP L/0 BAL	-0.03018 6.019 6.027 6.0101 6.000	-5.37526 0.010471 0.0107005	700.0 0600.0 00K.	100.0 /200 0.1.	10.01 10.00	3.03 0.272 0.019 0.317 0.0127 0.000	6.86 6.570 6.016 6.614 6.0101 6.001	9.07 0.656 0.014 0.695 0.0120 0.006	11.10 1.015 0.022 1.033 0.0242 0.014	12.07 1.035 0.0499 0.619 1.622 0.0443 0.009 20.8	13.05 0.964 0.0934 0.009 0.949 0.0605020	070'- 0700'B 070'- 110'- 170'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'- 070'-	15.92 0.032 0.0991050 0.974 0.1211050 6.4	17.67 0.604 0.1171473 0.972 0.1754068 4.9	16.42 0.620 0.1011092 0.971 0.1770075 6.1				.496 RN= 5.16#10##4	CDBAL CIBAL CLP CDP CHP L'0 BAL	-0.0703% 0.015 0.000 0.003 0.003	-5.52544 0.0204 0.004508 0.0323012 -26.6	-1377 - 1257 - 1557 - 1002 -1149 - 115 - 115 - 1003	-0.46 - 0.615 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 - 00.0 -	3.14 0.298 0.011 0.347 0.0069 0	6.67 6.612 0.000 0.651 0.0090	9.11 9.967 0.016 0.907 0.0167 0.019	11.14 0.953 0.0000 0.011 0.952 0.0507 0.019 1	COD'- 54/8'S 424'S 488'S 8848'S 874'S 32'21	14.18 0.031 0.1144030 0.096 0.1150036	15.10 0.009 0.1204033 0.693 0.1394047	15.86 6.790 0.1350046 8.677 8.1546054	17.67 6.734 6.1478072 6.681 6.1804061 5	-0.92135 0.004000 0.0066	100.0 (000.0 ATC." 210.0 000." oc.0-									

•	Š	7.0		•	•	5	-0.1	• .	•	•	5	-1.5	-1.7		•		Ŝ	6.1	4	6. 9	ه. ه.		•	1.0 P	4.1.	1.1	2.1	9.7		•	120		n,	
CONFIGURATION	29 BAL			CONFIGURATION					CONFIGURATION		5				CONFICEDATION		3						CONFIGURATION	120 BAL						CONF TGURATION	29 BA	1.1	- 9	
COME	5	6.0		COME		5	9.901	. 003	202		5	0.00	. 603		1300		5	.003	9.00	9.00			CONFI	Š	0.017	0.015	9.03	0.013			5	029	026	
901.22.7	8			6.81×10×16	Ę	Š	0.0071	6 .0074	6.87#10##6		8		€.00 73		. 97e16es4		8	0.0075	1.0080	9.007			7	3	0.0132	9.0122	9. E. X	9.0125		9==01	8	1120.0	0.0207	2
6 .72	วี			6.01*	•	j	-	. 00	6.67		ฮ	012	710		6.978		ב		. 050	2			7.01#16##6	נר	021	021	P. 0.	220.0		7.05*18##6	3		298.0	-
#	CLEAL	. 000 0.000		<u>"</u>		3	0.00		Ž		CLEAL				2			0.011	0.011	0.024			Z	CHBAL	120.0	9.05	1.01			11	CYBAL	. 00	000	
477e	CDEAL			MACH* .804					MACH= .824		COBY				MACH* .848		COGAL						MACH: .869	COBAL						MACHE .868	COBAL	0.0333	0.0342	
MACH	CLBAL	0.017		HAC	CLRAI		0.00		2		CLBAL				Æ		CLBAL	150.0	250.0	•20·-			HACK	CLBAL	- 000	0.002	9.0%	6.633		MACH	CLBAL	1.037	9.0%	
RUH 136	ALMA	0.10		RLH 137	ALPHA		7		RUN 130		ALMA	21.0			RUN 139		Y LIV	•.14	2:	# F			RUN 148	ALPHA	-6.41	2. T		5		RUN 141	ALPHA	-0.07	-0.05	
-	E	HN		-	E	•	~ (•	-		Ē		4		#	ż	τ	-	۰ ۰	-	•		•	ā	-	N	m 4	•		Œ	Ĕ	. ~	∾ >	^
	5	2.4	-20.6 -15.7	ñ iñ 7 9	2.5	2./2	10.4	-12.4 -1.1			•		7.0	1.3	-27.8	27.3	16.4	12.7	•	• · · ·	-10.3	•			5		-11.0	1.21-	 	1.4				\$
CONFIGURATION 4	רש פער ר	-22.9	1 1	•		16.9		, '		CONFIGURATION 4	148 62	_			•	-	7.							CONFIGURATION 4	50 BM C		ī.	· '	•			CONFIGURATION 4		ב ב
CONF IG	5	007	000.0	0.002	0.007	- 033	030	100.0		CONFIG	5		50.	.00	0.00	9.00	0.5	035	039	. 0.0	001	200.0		CONFIG	<u>a</u>	į	000	000	0.00	0.001		CONF 164		5
9	90	0.0063	0.0065 0.0055	0.0060	6.0113	.0504	0.0750	0.0070		9110	8		0.0079	10001	0.0070	9.00%	.0363	920	5000	0.0262	0.0078	0.0070		9==0	Ŝ	-	9/00.0	90	0.0067	0.0067		9	Ş	5
4.44#10##6	93		. 103			0.003		000		6.88#10##6	3		0.031	0.010	025	0.210			267		.143	_		6.36#10#u6	3		100		3%			6.64m10m6	Ē	נ
ž	CHBAL	0.013	000		. 60 S			208		Ĭ	CEAL		0.013	. 69.		0.014	720	015	\$20°-		9.025	- GO		Ë	CLEAL	:						ž	ě	
. 703	COBAL	0.0109			8 920.0	0.0069	0.0922			700	COBAL						1.0742	0.0077	101.					¥.	CDBAL							. 755	CORA	_
HACH=	CLBAL		9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9					0.015			CLBAL	• • • •	0.022	. 007 167	015	0.213	0.563	6.623			132	1846	!	MACH	CLBAL	920	19	014	015	0.029		MACH	CLRAI	
RUM 130	ALPHA		-1.64 -1.04 -1.05	6		=		26		KUN 133	ALPHA	4				2.15	22.		? ?	E.		¥ ×		RUN 134	ALPHA	4				9		RUN 135	ALPHA	
ž	ā	- ~ .	~ ~ W	•	٠.	•	2 :	2	i	ž	4		2	,	ю.	4 ~	•	2:	12	::	4 :	ŋ		¥	t				20 4			€	4	

	5	4.7	4.7	• ! • !	3.7		. TB					5	1	2.4	•	-25.0	1.6-			77.7	0.40	9.20	104.2	92.1	60.7	46.2	42.0	22.1	-		-7.		•					2	•	7.	5.5	-7.9	13.2	0.0-				20 ·	33.1	20.			5	10.7	6.0			٠ ۲	•	ì
TION	7 PM 5									TION S		7 7 8 5 2 5 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		•	• •	•						~ ·	_					13.3		4						TION 5					-6.7		1						26.5		7 6 7			9.1	7.1		7.	6.4	•	
CONFIGURATION		_				•	•			CONFIGURATION						-	_				•		_		_											CONFIGURATION																		_	_					
8	8	022	021	822	022					2	i	5	į	220	027	020	124			A10.		2	3	1.00	1. 0. 14	120.0		0	882	176	7	- 629	-			00			Ì		023	032	026	- 624				- 60	0.007	00			020		750.		8	071		
9	8		0.007		. 6063		3000			****		8	1		0.0789	1210.0	0.0003				//05.0		6.0113	0.0135	0.0180	0.6263	0.0312	0.0547	0.2068	3	0.007	-	700e			70		8		7000	0.0653	6.0395	9000	0600			+000 · D	0.01%	0.0310	0.514	1640		2//0.0	0.1006	0.1208	1131		0.2026		
3.62#10##6	3	9.042	0.037	2						3.60#10##6		วี	1		199	303	677					7/4.	1.17	1.246	1.295	1.316	1.317	1.265	1.297	1.	167	100				4.30#10##6		ฮ	3		462	310	116	900			0.713	0.973	1.030	4	7	7 · 00	1.074	1.093	1.0%		1.0.1	1.130		1.133
2	CHEAL	020	010	10.	710'-					#		CLEAL		21	. 600	015	014	*			•		- 6 01	• . 004	1.01	9.012	0.017	-,016	112	- 117	- 007	900	N			Ž		CLEAL	•	218		018	012	[6]		* O O · -	015	900.	0.00				614	032	- 049		065	103		102
704. ≡	COBAL									MACH= .401		COPY			1.07											0.0454	0.0664	0.0911	0.1623	1063						MACH= .501					9290.0	0.0415		-				0.0219	0.0304	1170	06290	4.000.	0.1052	0.1291	0.1513		0.1648	0.2103		D. 2017
MACH:	CLBAL	979.0	0.023	9 9	100	600.0	100			¥0.		CLBAL	1	200.	549	-, 300	132	426		110.	1.05/	796.	1.162	1.233	1.200	1.325	1.316	1.216	1.019	400 q	110	- 476				HACH	:	CLBAL		7 CD .	550	. 366	176	- 067			0.491	98.	1.017	2			1.050	1.040	1.068					1.003
RUN 149	ALPHA	••••	-0.07	-0.17	61.0					RUN 150	i	ALPHA			-8.56	-3.45	-1.27			74.5	7 D - 0	76.0	10.98	12.00	13.01	13.99	16.96	16.06	18.01	16.26	10.1-	14 4-	1			RUN 151		ALPHA	;	10.	-5.37	-3.40	-1.42	42			9	9.00	30.06	•		76.00	13.02	14.15	15.00		16.02	16.03		18.04
£	¥	-	~	,	•	Α.	•			æ	į	E	•	-	N	M	•	· ·	•	• •	•	•	•	2	=	12	3	2	15	:	1.	=	9			Z	1	E	•	-	~	^	•		١.	•	•	•	•		::	1	12	13	14		5	91		17
	6	3.1	78.9	N (2.7	27.1	2.1			!	5															•		2											_		5												•			2				
RATION 4	BAL 50	3.1	70.9	7.69	47.2	27.1	2.1		JRATION 4	;			٥ . د .	0 4	٠,٠	.	۵.۰	7.5		•	•					URATION 4		5		- 1 .5	-1.7	4.0-		, u	9	•			JEATION 4		5		•		7-7-	1.0	1.1	4.0-					MATION 4		•	3		2.4		7 11
CONFIGURATION 4	\$						011 13.0 8.001 2.1		COMFIGURATION 4							•	0.013 3.0			•						CONFIGURATION 4				-,037 -0.5						•			CONFIGURATION 4				- C - C - C - C - C - C - C - C - C - C			•	044 1.1	7)				CONFIGURATION 4					2.4		7 21
	29 BAL 128	.0078 0.002	0.00	0.00	0.014	.0376 0.012	.0/04 -:011 .0074 -:001	1	•		20 07					•	m			•						9		120 BAL 120								•			\$		2 2 2		1			•		7)				9			בשני בים פער בים		2.4		7 2 4
4.29410446 CONFIGURATION 4	CHP LO BAL LO	1078 0.002	615 0.0076 0.000	6.6142 6.00B	.642 6.0228 6.014	0.0376 0.012	1.011				CHP L/D BAL			150°-	6.50.	029	0.013	\$00°-	010 €	•								CHP L/D BAL L/D		037		037	170		9.00						GF 25 BAL 25		1		750	- 050		- 150'-	1						640 A 1 0H2	מל ישר לים מיר לים				
	COP CHP L'O BAL L'O	.022 0.0070 0.002	0.615 0.0070 0.000	996 0.0142 0.008	1.642 6.6228 6.014	1.026 0.0376 0.012	. 466 6.6704 011 614 8.6074 8.001		.33n10nn6		CDP CNP L/D BAL		050'- 590'0 420'	TCO:- 5CT:- 620:	650 650 650.	0 620'- 960'0 920'	0.013	2 - 000 000	T 010 0 010		200.0 200.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0 300.0					9		COP CHP L/D BAL L/D		037	017028	0.063037	170	200.1	9.00	, aco		-	\$		COP CIP L'O BAL L'O		1 040		70	- 050	0.155	- 150'-					9		Che the the same	י יונ מי ייני מי מי ייני				2 402
.402 RN= 4.29410##6	CLF CDF CHP LO BAL LO	.017 0.022 0.0070 0.002	0.615 0.0070 0.000	0.986 6.6142 6.008	1.642 6.6228 6.014	1.026 0.0376 0.012	007 6.466 6.6704011 020 0 014 8.0074 8.001		3 RH= 7.33#10##6		CLP CDP CHP L/D BAL		.0300024 0.065	TCO:- 5CT:- C2O:- 4T2O:	610 610 610 9610.	0230024 0.096029 0	0.005 0.190 0.013 3	7.00.	P 010 6 K16 6 K60 6 K170		200.0 COO.0 200.0 C400.	200.0 070.				RN= 7.27410**6		CLP COP CNP L/D BAL L/D		.051 0.000037	.0642042017	052 0.063037	150 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 - 450 -	200 - 070 0 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 - 070 -	550'- 253'- 690'- 5750'	, aco		-	RN= 7.28#10##6		CLP COP CMP L'O BAL L'O		- 040 - 474.8		TCD' - 210' - 240' - A600'	- 050 \$60.0 050 £550.	0.155	.058 8.086041 -0					RN= 4.25#10##6		CHAIN THE WIT ONLY BATT THE TANKS	י יונ מי ייני מי מי ייני		0.010		402
8N= 4.29410+#6	CHBAL CLF CDP CHP L'0 BAL L'0	.017 0.022 0.0070 0.002	0.012 0.615 0.0070 0.000	8.013 0.986 0.0142 0.00B	.057 0.019 1.042 0.0220 0.014	.093 0.023 1.026 0.0376 0.012	007 6.466 6.6704011 020 0 014 8.0074 8.001		RN= 7.33#10#46		CHEAL CLP COP CHP L/D BAL		.0300024 0.065	TCO:- 561:- 620:- AIZO:O	610 610 610 9610.	0.0230024 0.098029 0	0.0370 0.005 0.190 0.013 3	0 0547 - 001 0.219	DEC 6 VEC 6 VEC 6 VEC 6		200.0 000.0 700.0 C400.0 C400.	P 200.0 070.1 0070.0				7.27#10##6		CHBAL CLP COP CHP L/D BAL L/D		0.0545051 0.000037	.0642042017	0.0542052 0.063037	150: 150: 150: 150: 150: 150: 150: 150:		500 253.0 600	. OCD - 100'A 100'- 7400'B		-	7.28 #10##6		CHEAL CLP COP CHP L'D BAL L'D		ACC - 054 B 874 040 -		100 - 210 - 250 - A600 0	- 050'- \$60 B.050 - 1550.0	.0483063 0.155044	0.0559058 0.086041 -0					4.25#10##6		CHAIN THE WIT ONLY BATT THE TANKS	י המפער הנפער הרג החוב העוב הים פער הים		0.010		- 020 0 402
.402 RN= 4.29410##6	COBAL CIBAL CLP COP CIP LO BAL LO	8.059 0.017 0.022 0.0070 0.002	0.012 0.615 0.0070 0.000	1.015 0.013 0.906 0.0142 0.008	1.007 0.019 1.042 0.0220 0.014	1.093 0.023 1.026 0.0376 0.012	1.024 0.007 6.450 0.0704011 0.009 0.014 0.0074 0.001		3 RH= 7.33#10##6		COBAL CHBAL CLP CDP CHP L/D BAL		050'- 500'0 420'- 000'0 510'-	TCO:- 5CI'- C20'- AIZO'O GIZ'- 56'I-	-1.35147 0.0196033039	-0.11 0.000 0.0230024 0.096029 0	1.02 0.112 0.0370 0.005 0.190 0.013 3	2 00 - 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			7 010 000 000 000 000 000 000 000 000 00	P 060 - 200 B 070 - 200 D 200 B 07 B-				RN= 7.27410**6		COBAL CIBAL CLP COP CHP L/D BAL L/D		-8.21 824 B.8545 051 B.860 037	0.0642042017	-0 18 - 020 0 0542 - 052 0 083 - 037	170 - YER & WAY - 7770 & 774 & 76 .	670': 070': 060': 060': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660': 660':	560'- 253'D 690'- 575'D				RN= 7.28#10##6		COBAL CHBAL CLP COP CMP LO BAL LOD		- 040 - 054 8.874 - 040 -		70"- 710"- 740"- A600'D DTT'- 70"	- 050'- 560'0 050'- 550'0 020'-	0.0483063 0.155044	024 0.0559056 0.006041 -0					RN= 4.25#10##6		C. IVE W. I OND CHO CHO I WHAT I WELL	CIBAL CUBAL CITY CAR COT TO BAL CO		-0.06 0.034007 0.010		- P

•	RUN 153	MACH	967. =	#	4.12#10##6	9**01	CONFI	CONFIGURATION	I	•	RUN 159	MACM	#6. #	Z	5.70=10==6	9==0	CONFI	CONFIGURATION	uń.
a	ALPHA	CLBAL	CDBAL	CHBAL	ST.	8	5	29 BAL	\$	E	ALPHA	CLBAL	CDBAL	CIBAL	2	ŝ	8	Se BAL	\$
-	-0.01	0.051		024	0.043	1900.	022		•;•	-	-0.32	0%	0.0383	844	006	1929.0	036	-2.4	-3.0
~	-5.32	552		025	522	9.0102	026		-51.4	~	-0.31	093	0.0403	**	114	1020.0	\$ ·	-2.3	•
M	-3.36	328		920 -	608	0.000.	025		w. % -	M	*	9.015	0.0352		. 965	0.027	673	•	*. N
•	-1.26	005		027	666	0000	- 050		-10.1										
wn .	-0.22	0.025		- 625	0.021	0000	021		۲. ۲. ۲. ۲. ۲. ۲. ۲. ۲. ۲. ۲. ۲. ۲. ۲. ۲										
۰۵	16.2	100.		*20	255.0	. 0003	£16		62.3	•		7			•	711			
	9	. 705		\$20°			\$10.			•	MON TON		£ .	Ě	Para Take .		3	CONT. LEGICAL LUN	n
• :	2	1.012		620	28.		110		4.201	1	1000			į		8	-		
9 :	20.11	1.251		£ :	002.1	-000	6		9.241	5	E	רופער			3	3	5	L'U GAL	
Ξ:	40.21	1.35			1.265	0210-0	100		104.	-		100		4		1000			•
21	7 2 · 0 ¢	216.1		/20	1.356	6210-0			6.001	٠ •		6.655				/800.0			
*	14.04	1.50		120	7.440	0.0139	. 507		103.5	~	•	. 716		825	.003	1/00.	816		94.
*	2	1.591		027	1.522	0.0160	9.012		٠. ت										
15	16.07	1.659		015	1.593	1.0173	6.018		4 .1										
16	17.93	1.804			1.726	0.0243	620.1		*. •.										
17	10.46	1.005	0.1767	120	9.0.0	0.2413	131	5.7	3.7										
10	14.0	9.00	-	021	***	0.0069	020		10.7										
13	0.03	0.050		023	0.051	8	020		5.7										
•	RUN 155	MC	HACH= .401	ž	3.61	3.61=10==6	CONF	CONFIGURATION	•	£	14)	MACH.	•	Ĭ	4.84#10##6	į	CONF 16	CONF TOURATTON	ıv.
E	ALPHA	CLBAL	COBAL	CABAL	1 0	00	CHE	LO BAL	\$	1					i	į	-		6
										ī	ALMA	CLBAL	COMPL	COAL	ב ב	È	Š	בית מער	
	12.89	1.309		110	1.263		0.007		87.5	•							450		-
∾ :	12.09	7.30	-		-	0.0148	0.00		٥. وه	- •	•	120.0	27.0					. 4	
M	\$ *	1.389	300		-	7.0347	0.023	Z 3. G	9	» 1	ŗ ;								
•	\$ ±	1.301	- 060	90.	-	9.0326	0.021	23.0		,	: :	^ •	1660		79.5				4.4
rv.	6.0 2	9.60		. 613		0.0000	015		9	• •			9704				76	-	
•	\$ •	0.015		•	•	8/00.0	120		•	n •								. 5	
										• •					74.		2	7	7 01
										` •									16.2
•	72.	2	147	į	***		FARE	COMETCH DATTON		•			1094	- 013	. 913	0.0693	027	9.0	13.1
-	100		100MUMI					10714100	•		=		1268	3			- 936	7.	10.9
10	All PMA	CLRAI		CHRAI		COP		L/D BAL	5	=	12. 0	0.470	1.1437	054			048	6.7	9.3
•					•			ļ ļ		2	*. EI	0.990	1.1619			1.1166	-, 854	† .1	9.5
-	-0.06	0.013	0.0003			0.0067	026	7.1	3.5	13	14.20	0.993	1784	076	991	1.1365	. 963	•	7.2
~			1990.			101.		-5.8	4.6	*	15.17	986.0	1939		1.003	1.1577	072		m .
m	7		0.0432			68 70.0	0 32	-7.6	-7.2	S	16.07	266.0	9112			00.1.	100	;	o
4			9.0145			1.0147			•	16	-0. Z	500.0	9600.	£20°-	70.	69 70 .	•	•	
.	'		0.0102			0600.0			5 ·										
•		•	0.01%	019	0.422	0.0079		31.0	53.1										
^			0.0200			5 1	. 003	7.92	2.0%	•		777	107	5	T CANTANAL	78.84	COME 10	COMETC: DATION	v
•		•	1980.		•	ē;	. 015	V. 01	7.	k	103 M			i.					•
•	-	6.435	2/01.0		9	90.0	020.	6	:	ā	ALPHA	CLBAL	CDEAL	CHBAL	מר	8	CMB	L/0 8AL	1.0°
										NM	-0.05 5.90	9.029 0.680		020	0.040	0.0004	022		9. 9
_	RUN 158	MACH=	- 799	=	5.68410##6	10.46	COMP	CONFIGURATION	L										
ī	ALPHA	CLBAL	COBAL	CHBAL	CLP	20	a C	2 84	<u>.</u> 5										
-	-0.32	089	0.0259			0.0201	5 90	-3.4	-2.9										-
e.j	-0.30	- 086	0.0268	041	060	0.0209	043	-3.2	-5. 9										

```
6.44.
10.40.
10.40.
10.40.
10.40.
10.40.
10.40.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5
                                                                                                                                                                                4.50
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
10.60
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LO BAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CONFIGURATION
                                              .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24
                                                    5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CONFIGURATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5
                                                           S BAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        120.-
150.-
150.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
100.-
CONFIGURATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.2575
0.2575
0.0000
                                                                                                                            0.0074
0.0079
0.0079
0.0113
0.0113
0.0151
0.1701
0.1701
0.1701
0.2000
                                                                      È
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4.41m10cm4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.000
0.144
0.357
0.957
1.176
1.546
1.546
1.507
1.517
1.517
1.517
1.517
1.517
1.517
1.517
                                                                                                                                                                                                                          0.00%
0.00%
0.00%
0.00%
0.01%
0.01%
0.01%
0.01%
0.01%
0.01%
0.01%
0.01%
0.01%
0.01%
0.01%
0.01%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5.05m10mm6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                r
G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.036
0.036
0.066
0.066
0.066
1.175
1.201
1.201
1.201
1.201
1.201
                                                                                     B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 420 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 - 020 
                               3.97#10##6
                                                                                             6.806
6.879
6.879
6.879
6.855
6.965
1.155
1.155
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
1.406
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 610 - 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CHBAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.1532
0.1600
0.1673
0.1673
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CHBAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         i z
                                                                                                                                                                 COBAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.1262
0.1262
0.1410
0.1632
0.1820
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3
                                                                                                             CHBAL
                                                           ž
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COBAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MACH . 463
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.094
1.42
1.455
1.236
1.426
1.500
1.500
1.036
1.036
0.991
0.991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.1267
0.1611
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HACH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.636
0.352
1.036
1.036
1.262
1.369
1.060
1.060
1.069
1.069
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLBAL
                                                                                                                            COBAL
                                                                   MACHE . 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLBAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -0.32

9.96

3.05

4.02

11.13

11.09

15.02

15.02

16.07

16.07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ALPHA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8.99
8.99
9.18
11.16
11.16
11.16
11.90
11.90
11.90
11.90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RUN 171
                                                                                                                                  CLBAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ALPHA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RUN 170
                                                                                                                                                                                                                                                              70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70.00

70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            7
                                                                                                                                            ALPHA
                                                                                           RUN 166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 E
                                                                                                                                                                                                                     4.10
9.17
7.77
7.77
7.77
7.77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              40004441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                L'O BAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CONFIGURATION
                                                                                                                                                                                                5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20 84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CONFIGURATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ę
                                                                                                                                                                                                        So BAL
                                                                                                                                            CONFIGURATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             $50...
$60...
$60...
$60...
$70...
$70...
$70...
$70...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.0254
0.0261
0.0235
0.0420
0.0620
0.0257
0.0257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ŧ
                                                                                                                                                                                                                                                                      3.71410446
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.19
0.19
0.19
0.274
0.366
0.459
-.045
                                                                                                                                                                                                                                                                                   0.0141
0.0747
0.0512
0.0513
0.0134
0.0647
0.0647
0.0649
0.0947
0.0134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5.64×10##4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5.32m10mm6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3
                                                                                                                                                                                                                                          6.615
-.443
-.1543
-.1543
-.154
6.617
6.617
6.609
6.609
6.619
6.619
6.619
6.619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Z
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               740...
200...
200...
200...
400...
400...
600...
600...
600...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.0429
0.0427
0.0673
0.0673
0.0673
0.0673
0.0673
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CIBAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Z
                                                                                                                                                                                                                                                                                                             - 011
- 021
- 022
- 022
- 022
- 013
- 013
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
- 053
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MACH= .856
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COBAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.0266
0.0609
0.0231
0.0231
0.0231
0.0727
0.0727
0.0727
0.0136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CDBAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.059
0.172
0.267
0.363
0.427
0.427
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .
8
                                                                                                                                                                                                                                                                                                                        0.0166
0.0574
0.0117
0.0117
0.0274
0.0614
0.0614
0.1007
0.1209
0.1209
0.1209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLBAL
                                                                                                                                                                                                                     702
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MACH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.597
0.597
0.598
0.598
0.598
0.598
0.598
0.688
0.688
0.688
0.688
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2.00
2.00
5.34
6.04
6.04
0.13
                                                                                                                                                                                                                                                                                                                                  -. 613
-. 479
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-. 124
-.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PT ALPHA
                                                                                                                                                                                                                       MACH=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RUN 166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      - N N 2 N 2 N 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ALPHA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RUN 165
                                                                                                                                                                                                                                                                                                                                                  92.6

91.11

92.14

92.6

92.6

92.6

92.6

92.6

92.6

92.6

92.6

92.6

92.6

92.6

92.6

92.6

92.6

92.6

92.6

92.6

92.6

92.6

92.6

92.6

92.6

92.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6

93.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RUN 164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            £
                                                                                                                                                                                                                                                                                                                                                                 THE TOP OF THE TERMS
                                                                                                                                                                                                                                                                                                             E
```

£	RUN 172	MACK=	104. =	Ë	3.60+10==6	*	CONF 16	CONFIGURATION	•	2	RUN 176	MACH	723	<u>"</u>	5.30=10==6	Ĭ	CONFIG	CONFIGURATION	IA
4	ALPHA	CLBAL	CDBAL	CABAL	מני	8	5	So BAL	5	Ē	ALPHA	CLBAL	COBAL	CHBAL	5	B	8	29 BAL	5
~ N	-0.15	0.015		022	0.020	0.0170	022		• • •	→ •	-0.67	076	0.0152	637	005	0.0100	× 0.	1.6	9
-	6.02	0.686		- 619	0.677	6.0078	014		2			0.252	. 0005		0.243	0.00	120	2	
4	9,05	1.015		014	90.	0.0087	007		113.7	•		0.250	1.0093	624			021	26.1	24.4
us .	11.05	1.215		015	1.102	0.0105	200-0		113.2	s.	2	99.	0.0107	01	1	0.0141	015	26.0	31.3
۰ م	11 11	1.313	3000	919	652.1	0.0135	0.007	,	92.5	•	2 . 2	.483	1.0107	618		#. 	015	25.0	39.7
•	13.77	-			1.327	0.0234	6.019	? 5	5.5										
•	14.20	150	1166	115	1.201	19/1	041	•	•										
9	14.92	.015		112	1.206		•	•	•	2	RUN 177	MACH	. 753	#	5.40410446	711	CONFIG	CONFIGURATION	S
= :	15.%	.032	.1377		1.200	1914	044	7.5	•.1										
15	15.95	.01	.1375		1.200	.1912	042	7.4	6.1	-	ALPHA (CLBAL	CDEAL	CHEAL	2	8	5	2 84	2
<u>.</u>	17.91	66	1643		1.215	.2179	057	6.1	4.8										
<u> </u>	2 · 6	2.5	. 1996	===	1.211	9.2546	084	S.1	•		= :	_	0.0203		125	0.0213		-5.0	-5.0
Ç	70.0-	•			5	8/00.	822		.		-	-				0.0207		•	2.9
										٠,			4119				. 623	79.5	19.0
								-		•		177.		220.			023	16.6	19.6
ā	171	#ACAM	# E97	1	A 64.83					A <			.070				929	17.0	25.0
í				Ē	9mm97m90.			COMP. LEGICA 1 ZON	•	•	į.		•	778.			620	17.1	*
٦	ALFMA	CLBAL	CDBAL	CLEAL	3	9	B	S BAL	5										
-	97 1	326				47.00				ă	45.7	170		i			1		
• ~		224		. 022	822	200	520.		2.6	Į		5		Ė	A. B. / B. B.			CONTINUE ION	•
~	25.	0.472		- 020	3	9000			6.17	E	ALPRA	CLBAL	CDBAL	TVE	5	5	8		•
•		9.474		021	0.465	0000	010		56.1						į	į	;		
										-	į				160	0.0230		₹	-7.0
									•	•	=							-6.7	-6.1
									•	_	3	210		. 032	0.192	1.0129	920	11.4	14.0
							r			• •		200	1919	E :			027	31.5	14.2
										A <	2,							9.5	20.7
										•	·		•	•		4120.0	26 8	P . 61	50.3
-	PUN 1/4	MACH.	H= .651	2	5.13*	.13#10##6	CONFI	CONFIGURATION	un.	3	173	MACH	500.	Ž.	5.44010004	7886	COMETC	COME TO THE TOTAL	
1									ı										n
L d	ALPHA	CLBAL	CDBAL	CHBAL	บ	COP	CHE	L/O BAL	5	t	ALPHA C	CLBAL	CDBAL	CHBAL	3	8	5	149 071	ر د د
-	1.33			025	0.201	0.0000	. 026		ž	•	6			;					
~	1. 33	0.201		025	•	8	. 024		26.1		5				100	2120.			•
	2		-	019	•	2000.0	017		47.9	m	23	_		1				, a	0
8	3.31			07	_	8	017		40.4	•	1.83	•		3		.0177	1,0,-		
										.	8.3	0.474.0		_	_	.0268	059	11.9	16.9
										•	2.09	904.0	. 0309	2			060	12.5	10.5
	RUN 175	MACI	MACH= .698	<u></u>	5.33*	.33"10""6	CONFI	CONF IGURATION	ĸ										
14	ALPHA	CLBAL	CDBAt	2	č	5				i			1	i					
						È	Š	1 /0 BAL	5	Ş	180 NO:	HYCH	MACH= .627	<u>"</u>	5.47#10##6	9==0	COMFIG	CONFIGURATION	×.
- 1	-0.95	104	4.0177	. 0 X	079	5	033	6.5	4.4	¥ 1.	ALPHA C	CLBAL	CDBAL	CHBAL	ā	Ē	9	149	5
~ '	S	5	0.0176	035	077	9	· 0 34	-5.9	0.4						•	į		1 O O O	
m .	1.67	9.262		025	0.255	2600.0	023		27.6	-	-0.83	179	. 6363	- 0.35	8	A250.0	- 619	3	
	P	102.D		025	0.254	8	022		27.0	~		•	.0260			.0241	. 069		· ·
۸ م	97.5 1	D05.0	0.0005	, 014 1	0.450		015	\$6.6	36.5	-		•	.0200		282		690	0) :=
2	2.7	101.	6/00.0	,	0.440	0.0134	- , 015	61.3	33.4	•	3.50	•	.0552		410		077	8	
										ın .		•	8+50.				078	7.0	5.5
										•		•	.0289	. 030			033	.5.7	· ·

	E.	•	, ,		? =	. Y			*		•					•		e (N :	A 4		, d		, ,		17.8	į				4		2.7	-	~			•	ه ب	•	*	•	•	4.0	ı,	W)
~	5	Ī	- 3	3	5 3	3	ï	.	3	3	-			•	•	5		7	.	X ;	Z :		7	, •			:	2 5	•			~	•	3	~	4.4	74.2	7	. 84				0 7	16.0	1	•	-22.5	•
CONFIGURATION	2	*				, v	2.5	7.52	25.5	27.3	9.9			CONFIGURATION		2 34				7.7	12.4		<u> </u>		, ,	•			:			CONFIGURATION										•	N (6.4	9.		•
CONFI	5	414		100		- 115	- 012	012	013	013	017					8							1	, i	1	- 005	1	910			= +	CONFIG	2	;	00	00	013	011	700	9			600	97	N 98 -	\$	- 006	013
5.26410m6	8	. 000	0.0122	0.0110	4110	0.0137	0.0134	0.0142	0.0114	0.0120	0.000			3.83410**		8						7170	747	P 00 4	1214		0.0442	0.0641	!			9==01	8	}	9000.	0.0077	0.0007	0.0111	0.0163	1510			0000	9.070		0.1311	0.0107	0.0103
5.26	27	0.022	9.765	9.76	D.778	. 74	0.747	0.763	0.747	9.772	0.00			3.83		3		7				1		3	8	1.164	1.151	1.150				4.18*18**6	8	į	0.024	. X	649	9.44	1.122	1.207	5		7.63.	947.		211.1	252	0.00
Z	CHBAL	010	900	- 610	012	- 000	013	- 003	010	015	012			ž		CHBAL						590	986	066	- 00 2	017	031	020				ž	CHBAL	!	009	010	01	015	008	100	919	3				200	600	010
¥09° ≖H	COBAL	. 0000	0.050	0.0291	0.0264	0.0287	0.0276	9.0292	4.0292	6.0277	0.0050			MACHE . 404	:	COBAL			4444			0.1357	0.1492	0.1458	0.1697	0.1111	0.1223	0.1320				MACH . 302	CDBAL									4511		BOT 1	00 1	. To //		
MACH	CIBAL	026	9.742	. 744	0.752	0.740	1.754	0.740	9.746	0.757	025			TAC.		CLBAL		0.439	100	156		1.017	£2.	0.854	0.00	1.102	1.069	1.046				MACH	CLBAL		012	. 306	9.59	169.0	1.062	1.165	1.250	1.040		20.0			9/2-	046
RUN 197	ALPHA	-0.26	6.20	6.21	6.20	4.23	6.10	\$2.9	6.21	6.13	-0.37			PLH 196	1	ALPHA	*		19	12.12	1	13.8	15.60	16.00	17.34	12.51	13.15	13.61			-	RUH 199	ALPHA		-0.0]	۳. و	5.97	9.12	112	125	13.11	14.00				77.71	97.	-6. 55
•	F	~	~	*	•	14	•	_	•	•	2			•		E	-	• ~)	•	•	•	^	•	•	2	=	12				E	Ā		-	~	M	•	•	•	^	•	•	•	1 :	::	7 :	=
ın	5	-3.0	4.1	10.1	3.6	10.2				w		5	5.3	5.2	-1.4	-1.7			•	•	5									•	•	5	•:•	-24.5	-10.0	a. 8	30.2	1.20	50.3	53.2	0.35	10.4	17.7	7 7 1			9 •	9.0
	2		-2.0 -4.1		7.6 9.9						1				-0.5 -1.4				URATION S														•;•	-24.5	-10.0	ø.n	30.2	1.20	50.3	15.0 53.2				7.11 1.7			7.6-	5.0
CONFIGURATION 5		-1.9		4.4	•.•					CONFIGURATION 5	: : : : : : : : : : : : : : : : : : : :	5	3.0	3.7	-0.5	-0.			CONFIGURATION 5		5									S NOTE OF STREET		2	013								13.1	9.2				•		015 5. 9
CONFIGURATION	29 BAL 52	0033 -1.9	19032 -2.0	4.4067 6.4	4.6 6.6	53087 6.6				CONFIGURATION	1	2 14 2	10079 3.0	077 3.7	062 -0.5	057 -0.4	-				C/D BAL L/D		0.0101	0.0117						CONTRIBUTION		20 BAL 50		012		014	016	017	69014	005 15.8	13.1	19010 9.2	51 - 022 7 7	52 - 026 - 7	74 . 04A E 9	7.5 500. 7.7	610.	0.00/1015 5.9
	CNP L/B BAL L/B	0033 -1.9	8.0289032 -2.0	0.0234067 6.4	0.0272066 6.6	0.0253087 6.6							0.0310079 3.0	0.0316077 3.7	0.0277062 -0.5	0.0289057 -0.4	-		3.55#18##6 CONFIGURATION 5		Cre L/D BAL L/D		5	9.0								CHP LO BAL LO	.0066013	0.0061012	0.0000014	.030 0.0060014	.363 6.0100016	.686 0.0083017	.986 0.0169014	005 15.8	36 0.001 13.1	0.0619010 9.2	0 0651 = 022 7 7	030 0.0752 = 0.24 7 3	050 0.0074 c.048 c.0	7.5 CO - 0.00 C 17.6 C	200 0 0000 0000	- 1/00.
CONFIGURATION	COP CNP L/D BAL L/D	119 0.0308033 -1.9	119 8.0269032 -2.0	0.236 0.0234067 6.4	0.253 0.0272066 6.6	6.261 6.0253087 6.6				CONFIGURATION		COP CAP L'O BAL L'O	0.167 0.0310079 3.8	0.165 0.0316077 3.7	039 0.0277062 -0.5	049 0.0289057 -0.4	-				COP CMP 1/O BAL L/O		.025 0.01	.670 0.01						CONTRIBUTION		COP CHP LO BAL LO	8.043 0.0066013	200 0.0001012	000 0.0000014	0.030 0.0000014	0.303 0.0100016	0.686 0.0083017	0.986 0.0169014	1.146 0.0214005 15.0	.166 0.0336 0.001 13.1	1.152 0.0619010 9.2	1.162 B 0651 - 022 7 7	1.036 6.0752 - 026 7 3	1 050 A 0074 5 048 5 0	- 044 0 0070 - 015	210. 0.00.0 E.O. 0	- 1/00'0 970'0 coo'
.852 RN= 5.74#18##6 CONFIGURATION	CLP CDP CNP L/D BAL L/D	119 0.0308033 -1.9	046119 6.0269032 -2.0	497 0.236 0.0234067 6.4	499 0.253 0.0272066 6.6	0% 0.261 0.0253087 6.6				.870 RN= 5.77ml0mm6 CONFIGURATION		. כוף כסף כאף וים פען וים	009 0.167 0.0310079 3.0	.0550066 0.165 0.0316077 3.7	071039 0.0277062 -0.5	067049 0.0289057 -0.6			BN: 3.55#16##6		CLP CDP CPP L/D BAL L/D		.025 0.01	.670 0.01						BNS 3. STRIBBRAK CONFICERATION		CLP COP CHP LOBAL LO	8.043 0.0066013	200 0.0001012	656 6.6050014	0.030 0.0080014	0.363 0.0100016	0.686 0.0083017	0.005 0.966 0.0169014	0.011 1.146 0.0214005 15.8	1.166 0.0336 0.001 13.1	1.152 0.0619010 9.2	026 1.162 6 0651 - 022 7 7	7.7 320. 1500.0 Std	- 054 1 050 0.0076 . 04A 5 0	1.002 1.043 0.0070 1.015	210. 0.00.0 E.O. 0	- 1/00'0 970'0 coo'
RN= 5.74mlem6 CONFIGURATION	CHBAL CLP COP CMP L/D BAL L/D	0340049119 0.0300033 -1.9	6.6332046119 6.0269032 -2.0	0.0402097 0.236 0.0234067 6.4	0.0390099 0.253 0.0272066 6.6	0.0398096 0.261 0.0253087 6.6				RN= 5.77#10##6 CONFIGURATION		CHEAL CLF COP CHP L/0 BAL L/0	.0545009 0.167 0.0310079 3.0	8.0550086 8.165 0.0316077 3.7	0.0437071039 0.0277062 -0.5	0.0478047049 8.0289057 -0.4			3.55410006		CHRAI CLP CDP CPP L/D BAL L/D		0.025 0.01	.747 0.01						Manage Control of the		CHBAL CLP COP CHP L'0 BAL L'0	001 4.443 8.0056013	003200 0.0001012	*10'- 0000 0.000 008	603 6.630 6.6080014	001 6.303 6.0100016	513 -: 001 0.686 0.0063 -: 017	0.005 0.986 0.0169014	0.0608 0.011 1.146 0.0214005 15.0	0.0864 0.019 1.186 0.0336 0.001 13.1	0.1154 0.003 1.152 0.0619010 9.2	0.1295 - 028 1.162 0.0651 - 022 7.7	0.1276 - 035 1.038 0.0752 - 026 7 3	.019 0.1412 - 051 1 050 0.0924 . 048 . 9	. 110 - 0.00 - 0.04 0 00.00 - 0.04 0 00.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0 1.00 0	CTO.	- 1/99'0 920'0 COO'-
.852 RN= 5.74#18##6 CONFIGURATION	COBAL CYBAL CLP COP CMP L/B BAL L/B	-0.27065 0.0340049119 0.0306033 -1.9	068 0.0332048119 0.0289032 -2.0	2,18 8,256 8.84024897 8,238 8,824887 6.4	2.17 8.262 0.0390499 0.253 0.0272066 6.6	2.19 0.262 0.0398096 0.261 0.0253087 6.6				.870 RN= 5.77ml0mm6 CONFIGURATION		CDBAL CHEAL CLP COP CHP L/D BAL L/D	2.49 0.206 0.0545069 0.167 0.0310079 3.8	2.50 0.201 0.0550066 0.165 0.0316077 3.7	022 0.0437071039 0.0277062 -0.5	0.21027 0.0478047049 0.0289057 -0.4			BN: 3.55#16##6		CDA CHBAL CLP CDP CHP L/D BAL L/D		-0.12 0.075 0.01	0.747 0.01						BNS 3. STRIBBRAK CONFICERATION		CCBAL CHBAL CLP COP CHP L'D BAL L'D	-0.07004001 0.043 0.0006013	252063266 0.00A1012	-1.29139600600014	\$10 000.0 00.0 to - \$20 \$20 \$20	5.17 6.519001 6.363 6.0100016	5.99 6.613001 6.686 6.0063017	9.17 0.920 0.005 0.986 0.0169014	11.05 1.005 0.0468 0.011 1.146 0.0214005 15.8	12.01 1.129 0.0864 0.019 1.186 0.0336 0.001 13.1	12.94 1.063 0.1154 0.003 1.152 0.0619010 9.2	14.04 0.992 0.1295 - 0.28 1.162 0.0451 - 0.22 7.7	0.928 0.1276035 1.038 0.0752026 7.1	16.02 0.839 0.1412 - 043 1 050 8.0924 - 048 E O	-0.68110002041 0.0020015	C10.	- 1/00'0 020'0 600'- 050'- 62'0-

A Chief Cital Ci	HE .401 MHE 3.88W18HM6 CONFIGURATION 2	CDBAL CYBAL CLP CDP CYP L'D BAL L'O P	0.034 0.0076	014 55			MACTAL TOA THE 7 STREET, CONTROL OF	MALE TO THE TOTAL TRANSPORTED TO	COBAL CYBAL CLF COF COF LABAL LAD F		0.103 0.0135016 9.9	012 0.021 0.0132017	011 0.306 0.0161017	011 0.571 0.0199012 34.4	016 0.824 0.0390009 13.2	9.714 0.0291010 17.3 24	8.009 8.0114016	S MULTINESSIEMS TANGENT A TIME OFF THE		COBAL CPBAL CLF CUF COF CMF LO BAL LOPP	013060 0.0112007	0.0- 210 1210.0 250	A 25	067 0.603 0.0295061 20.7	074 0.651 0.0421064 11.5	2.22 5.00 - 0.0210 - 0.05 - 0.05		a .918 RN= 6.29#10##6 CONFIGURATION 2		CORAL CHEAL CLF COP CMP L/D BAL L/U P	0.073 0.0477008 1.1	0.020 0.110 0.0533 0.026 2.5	0.017 0.165 0.0554 0	0.019 0.214 0.0563 0.035	4.007 0.271 0.0507 0.050 4.3	5.4 520.0 200.0 520.0 210	2.1 BOD'- BODG //G'D 130.				HACH-0.:979 RN= 6.43=10==6 CDHF EGURATION 2		CDBAL CHBAL CLP COP CNP L/0 BAL 1/0 I'		041 0.100025 0	053 0.163035	.0649064 0.236	.06.78078 0.303057	
ALPHA CIBAL CORAL CIP CDP CDP LVD BAL LVD P -0.00012 -0.131431431431431431431431431431431431431431431431431431431431431431431431431431431431431431431431431431431431431431431431431431431431431431431431431431431431431431411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411411	RUN 206 MACH=	ALFHA	-0.12	6.10					ALPHA		.56	2	ė	•	•	*		_		ALPHA					•	•	'	RUN 209 MACH		ALPMA	0.16	1.10	2.19	3.17		5.17	64.						ALPHA		•		5.05	3.09	ė
ALPHA CLBAL CDBAL CPBAL CLP CDP -0.00012004 0.002 1.00 0.00092 -0.139143005 0.000 0.00092 -0.13 0.304 0.0122 0.012 0.003 1.101 0.0192 -0.13 0.305 0.1122 0.012 0.003 1.101 0.0192 -0.13 0.305 0.1122 0.003 1.101 0.0192 -0.13 0.905 0.1122 0.003 1.101 0.0192 -0.13 0.905 0.1122 0.003 1.101 0.0192 -0.14 0.005 0.004 0.003 1.101 0.0093 -0.15 0.004 0.004 0.003 1.101 0.0093 -0.15 0.004 0.004 0.003 0.0004 -0.10 0.005 0.004 0.007 0.003 0.0003 -0.10 0.004 0.007 0.000 0.000 0.0009 -0.10 0.004 0.007 0.000 0.000 0.0009 -0.10 0.004 0.007 0.000 0.000 0.0009 -0.10 0.004 0.007 0.001 0.000 0.0009 -0.10 0.004 0.007 0.001 0.004 0.0019 -0.10 0.004 0.007 0.001 0.004 0.0019 -0.10 0.004 0.0170 0.001 0.004 0.0019 -0.10 0.004 0.0170 0.001 0.004 0.0019 -0.10 0.007 0.001 0.007 0.001 0.007 -0.10 0.007 0.001 0.007 0.001 -0.10 0.007 0.001 0.007 -0.10 0.007 0.001 0.007 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10 0.007 0.001 -0.10	~	•	2.4	-11.3	• •			1.05		0.42	17.0	13.2	10.0	9.0	•	4.6			~	•		93.4					•.e	-27.6											6.0	7.0-	~		L	*	23.0	18.0			1.9
ALPHA CLBAL CDBAL CrBAL CLP -0.00012 -1.39043 -0.29032 -1.39143 -0.02006 -0.02007 -0.03035 -0.03035 -0.045 -0.05017 -0.06 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.05 0.057 -0.057 -0.05 0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.057 -0.	WRATION	¥																						~																						_			•
ALPHA CLBAL CDBAL -0.00012 -1.39143 -0.29032 3.09 0.943 3.11,17 1.110 -1.00 0.952 11,17 1.110 -1.00 0.952 11,17 1.110 -1.00 0.953 15,19 0.952 -1.00 -1.00105 -0.10 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -1.00 -	CONFIG		010	600,		710°-		- 002	15.						010	011			CONFIGURATION		011	014			,		012	- 003	011	011		003	001							013	CONF IGURATION			210					
ALPHA CLBAL -0.00012 -1.39143 -0.29832 3.03 0.304 5.09 0.943 11.17 1.110 12.13 1.172 9.09 0.943 11.17 1.110 12.13 1.172 9.09 0.943 11.17 1.110 12.13 1.172 9.09 0.943 10.14 0.013 4LPHA CLBAL -0.18 0.013 -0.18 0.013 -0.18 0.013 -0.18 0.013 -0.18 0.013 -0.18 0.013 -0.18 0.013 -0.19 0.013 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994 11.17 0.994		COP	8.0068	0.0097	2400.0	4000	944 6 0147	0.0192	0.0270 0.006 15.	0.0489 0.003	E.0644005	4.0014026	0.0957078	0.1211063	6900.0 6.0.	.005 B.0082 -				400	.021 0.0002	.673 0.0001		.45*10**6 CONFIGURATION			- 600 0 0003	2000.0	9.0075	0.0070	690 0.0069.	9.0690003	0.0154001	0.0413 0.009	.048 0.0967018	.026 0.1159033	050 - 14/1 - 050	940 0.1768073	0.0076 - 012	0.0039	.22#10##6	5	5	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0.0159	010. 6510.0	0.0489 0.002	.003 0.0717002	.026 0.0136015
्र रक्ष कर कुर कुर कुर कुर कुर कि ज्ञान जान जा जान जान जान जान जा जान जान जान	RN= 5.36#10##4	CHBAL CLP COP CHP	0.021 0.0060	109 0.0097	2400.0 000.0	27 6.74 6.0000 217 5 44 5 5055	0 944 A 0147	1.141 0.0192	0.003 1.191 0.0270 0.006 15.	022 1.152 0.0489 0.003	013 1.154 8.0644005	056 1.063 6.0814026	876 6.968 0.8957078	064 0.977 0.1211063	419 079 0.0089	.017005 0.0082 -			MH 1. 60410446	CLP COP CHP	.007 0.021 0.0002	.011 0.473 0.0001		RN= 6.45*10**6 CONFIGURATION		CHBAL CLF COP CNF	- 6.005 0.0083	- 250 0.0052	116 0.0075	0.007 0.0076	0.690 0.0000	019 1.060 0.0690003	015 1.031 0.0154001	012 1.006 0.0413 0.009	028 1.048 0.0967018	051 1.026 0.1159033	000:	- 898 B. 948 B. 1768 - 1878	021067 0.0076012	000 0.0039	RN= 7.22#10##6		CHEAL CLF COP CHE		0.025 0.0159 0 tak 0.0168	010. 0010.0 001.0 000.	200.0 6903 0.9630 -	- 024 1.003 0.0717002	028 0.026 0.0136015

RATION 2	Co BAL CO P	11.5 10.2	RATION 2	10 BAL 10 P	16.5 12.3 13.5 12.1		CONFIGURATION 6	LO BAL LO P	-1.0 -0.1	-12.6 -16.5	-1.5	~	61.7 67.1	23.7 42.0					4.5 4.2			CONFIGURATION 6	120 BAL 120 P	٠		1 1 2 0 2	-		9.1 15.8		•	5.1	•
CONFIGURATION	200	010	CONFIGURATION	.			CONFIG	8	020	017	620	022	022	019	021	120'-		-133	126	016		CONFIG	\$	010	028		021	015	010		115	- 122	
1	8		1	8	0.0149		Ī	8	0.0119		0.0122		0.0136	1.0167	0.0297	0.0422	1001	0.190	0.2090	0.0123		***	ŝ	9.0112	0.0115	0.0120	0.0117	9.020.	0.0539	0.1149	0.1375	3536	
9.45#10##6	CLP		0.47#10##6	כוי	0.166 8.192		3.65*10**6	3	100	702	- TO - O	. 747	0.651	. 932	1.033	1.029		3	900.0	9.00		5.244104#6	น	125	- 000	224	1370	9.704	0.056	0.686	0.746	A47 0	
#	CFBAL	01¢	ž	CHEAL	032		**	CLEAL	602			9.002	900		0.02	979	- 034	. 045	067	0.00		¥	CHBAL	-, 606	003	9 6	000	0.007	0.004	055	070	- 086	
625	CDBAL	90000.	MACH= .841	CDBAL	0.0030		MACH= .402	COCAL	0.0155	0.0102	010.0	0.0117	0.0147	0.0276	0.0629	0.1151	0.1413	0.1667	0.1779	0.0174		t= .603	COBAL	0.0070	0.0075	0.0079	010	0.0302	0.1002	0.1267	0.1450	A 142A	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
MACH	CLBAL	0.09	MACH	CLBAL	0.125 0.121		¥	CLBAL	- 020	230	251	9.312	0.611	1 605	1.132	1.124	96.0		0.795			MACH=	CLBAL	-, 146	017	992	3	0.740	0.912	0.096	0.031	A A 25	
RUN 219	ALFHA	. 9	RUN 220	ALPHA	11.22		222 MIN	ALPHA	\$	-2.26	1.1.	M. 0.	6.13	9.6	12.08	13.05	76.02	16.03	17.00	9 9		RUN 223	ALPHA	-1.37	9.19	-2.35	3 8	6.21	9.17	10.30			
ě	2	~ ~	4	E	- ~		×	E	•	•	`	•	2	7	1 1	=	\$1 :	1	2	2 2		•	Ā	•	•	un .	• ^	•	•	2 :	12	-	•
	a 0				4.					e o		3	60.0	70.1	5.03	26.3	5.0	9.3			9		:			L		• •	<u>;</u>				
~ *	BAL LS	99 KI 9 F	•	2					≈	2				~	•		•	•		8				•		BAL 5		- 4				5	
CONFIGURATION	20	9 vi 9 .	•	COMPT CHEM TO A T TOWN	S				CONFIGURATION	2				_		12	_	•		CONFIGURATION	5		•	CONCTCABATION		5		1.72-			TO SERVICE AND A	CONT. TOWARI TOW	
CONF	3	026		9	5	011			COM	5		000				. 60.7		079					J	Š	5	3		710			3		
9##0[#07.	COP			Ý.	8				4.21=10==6	8		4 6117	2	0.0143	0.0173	0.0400	0.0743	0.1151		8.20#10##6	8	9		20e10e#4		900		0.0091			7220	D. Mantage	
6.40#	CLP	0.009 0.162 0.221 0.005		1 75 61 84 84	ਰ	0.655			4.214	13		692.0			1.19	1.273	1.124	1.000		A. 204	5			**************************************		CLP		000	•	-	177	9	
Ä	CHBAL	440. 440. 440. 440. 840.		11	CPBAL	018			2	CIBAL	į			1.01	0.0	0.019		042		Z	5			2		CHBAL	;	210 -	:		į	Ž	
MACH=1.069	CDBAL	0.0550 0.0556 0.0565 0.0555	D\$60.	COT CHUNCH	CDBAL				. 304	COBAL						0.1007	0.1256	0.1520		757 =H		9100		7A1		COBAL		0.00				4 dus	
MACH	CLBAL	0.033 0.143 0.032	5	2	CLBAL	0.035			MACH	CLBAL	į	1 S	0.043	1.022	1.125	1.191	0.967	0.917		MACK	CLBAL			HACAM		CLBAL	;	501.			1		
212	ALPHA		7 ·	16		-0.01 6.04			RUN 215	ALPHA	i	¥ ;	9.05	11.04	12.14	24.21 14.13	16.12	17.73		PLN 216	AL PHA		•	716 1910		ALPHA	,	6 7 0	;			MUN 210	
2	₹		•		•																												

FIACH=			;	í	į			ā	A1 044	14412			2	9	Ş		
ē	COBAL	CHBAL	ฮี	90	Ē	2	<u>.</u>				CUOAL	1		ġ	Ē		Š
•	.0151	015	019	0.0171	017	-2.7	-1.1	(•	0.003	0.0153	900.	0.050	0.0137	014	7.0	9 1
•	.0145	021	333	20	220	-25.8	-16.4	W			. Q T 2 2	9	100.0	*	6 T D	7 · B	
•	.0124	017	602	0.0170	910:	• • • • • • • • • • • • • • • • • • •	2.21-										
250.	610		770.	0010	10												
•	7000	100	9	0.020	024	34.0	16.1	2	RLH 230	HACH	MACH* . 805	ž	6.12#10##6	111	CONFIG	CONFIGURATION	•
205	.0397	640	0.552	0.0404	950.	12.6	13.5										
2.2	05.87	7.067	6.5.0	1.0576	051	4.6	10.3	E	ALPHA	CLBAL	CDBAL	CEAL	2	è	5	29 BY	5
582	0.0747	990	0.633	0.0677	950"-	7.8	3.6										
424	0.0A74	053	1.665	90/0-0	052	7.1	9.3		20.0	9.005	3710.0	30.	. K	0.0143	004		•
	1049	*	107	4.0820	055	6.1	9.4	~	20.0	8.00.e	1.0174	017	0.065	0.0150	808	.3	¥.4
_	97.10	021	137	0.0172	014	-11.3	-7.9										
220	0.0131	019	- 604	0.0163	017	-1.7	S, 0-										
				•				2	RUN 231	KACK	NACH= .825	#	6.15#10##	***	51.H-00	CONFIGURATION	•
7	MACHE 290A	1	4.14810004	70.00		CONFICIENTION	•										
•		į						Z	ALPRA	CLBAL	COBAL	CHBAL	ฮิ	8	3	120 BAL	5
	CDBAL	CLEAL	ट	8	8	20 BAL	\$	~	•	-	0.0130			0.0149	. 001	• •	4.4
	71.10	1	A 0 0	4		•		~	:	0.021	0.0219	100	. E	6.0156		7.0	•
				916	004	7											
1		9		0154			-										
1	721			4		•	· *										
3	9000	9	91	0.0151	910	2	- 1.2	2	RN 232		MACHE . PAS	ž	6.21=10==6	711		CONFIGURATION	•
	0007	9	•	0.0178	010		7										
9	6.0217	110	199	0.0214	020	-	7.04	E	ALMA	CLBAL	COBAL	CHEAL	ភិ	B	5	1.0 BAL	2
	9.1076	072	9.00	0.1634	134	7.4				!							
	0.0501	0.010	1.041	0.6339	016	10.3	30.6	,			930	2	. 114		000		•
1.125	9.0465	0.023	1.110	0.0388	013	16.9	20.4	~			.0195	4.012		0.0378		-1.4	7.7
.213	0.6790	9.07	1.142	0.0452	600	15.4	25.1		3. T	029	0.0100	1.12		0.0192	0.003	-1.6	5 .0
1.125	•		1.175	0.0651	- 018		17.9										
566	0.1380	027	1.072	0.1163		7.2	•										
1	1177	0.0	1		8												
•																	
	****	0.0	. 031	0.0102	000	-2.4											
		i	1				,	•		i	;	i					
	MACH : 462	<u>"</u>	3.87410==6	9==01		CONFIGURATION	•		223 M2		MACHE . 865	<u> </u>	6 .22	6.224104#6		CONFIGURATION	•
CLBAL	CDBAL	CYBAL	7	9	5	2 BAL	5	ä	ALPHA	CLBAL	CDBAL	CHBAL	5	8	5	LO BAL	2
014	0.0157	4[0.0	D. 057	1000	- 017	6	7	_	•	- 813	6.6242			32.4		•	•
99	0.0259		759	0.0121	910	5.22	3	• ~			0254	000		1242	•	n 4	
																}	?
	MACH= .752	<u>"</u>	5.98#10##6	30**6	CONFI	CONF IGURATION	•	~	RUN 234	HAC	HACH= .895	2	6.27	6.27410##6	CONFI	CONFIGURATION	•
CLBAL	CDBAL	CHBAL	ST.	ŝ	5	20 BAL	<u>.</u>	ā	ALPHA	CLBAL	COBAL	CMBAL	CLP	8	5	L/D BAL	5.0
		Ž			-	•	•	•	•			3			į	•	
0.007	9.6129	906	40.0	0.0116	016	o e	6		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	- 615	0.0406	600.0	0.070	0.0413	200	7 ·	9 .
	4270.A	100.) . 5 D	D.OACU	010	5	9 .9	¥	F. D.	CTD	5T.0.B	* 55 . B	\$/0.D	0.0420		5. D-	

CONFIGURATION 7	20 BAL 50 P	-5.8 -2.3					CONTINUAL ION	20 BM 20 P		-4.1 -1.5		CONFIGURATION 7	120 BAL 120 P		-9.6	CONFIGURATION 7	20 BAL 50 P	-9.2 -6.5 -9.1 -6.5		CONFIGURATION 7	50 BAL 50 P	-6.7 -7.7			CONFIGURATION 7	רים פער וים ש		-1.3 -2.2	1			CONFIGURATION /	LO BAL 1/0 F	•	\$ 0, 6.0 ₁	
CO#16	8	017						8		016		CONFIG	5	620		CONFIG	5	020		CONFIG	5				CONFIG	5	400	4.014					5	;	012	1
6.03#18##	ŝ	0.0163						8	İ	9.014		5.90*10**6	8	0.0136	0.0149	5.94#18##6	8	0.014E 0.0153		9##0[#29.9	8	0.0147			6.15*10**6	B		0.0292				6.20=10==6	8	,	0.0418	- - -
6.03	วิ	036				1	5. 79s18sn6	CLP		017		5.90	บา	607	. 609	¥.	כד	101		6.62	วิ	115			6.15	22		900				6 .20	CLP		- 011	i i
¥	CHBAL	013				i		COBAL		· 015		Ĭ	CLEAL	010	017	Ī	CHEAL	010 010		Ī	CHBAL	011			#	CHBAL	4	- 007				<u>"</u>	Creat		200.	
¥ 806	COBAL	0.0140					MACH'S .746	COMAL		0.0109		MACH* .781	CDBAL	6.0115	0.0116	MACH= .7%	COBAL	9.0129 9.0132		MACH= .622	CDBAL	0.0159	7619.		H= .872	CDBAL		B 0272				% ¶	COBAL	;	0040.0	
MACH	CLBAL	086					2	CLBAL		045		MAC	CLBAL	113	105	TAC	CIBAL	119		HAC	CLBAL	107			MACH	CLBAL						MACH=	CLBAL		039	
RLN 241	ALPHA						242 EM 242	AI THE		•		RUN 243	ALPHA	-6.45		RLM 244	ALPHA	4. X		RUN 245	ALPHA	1 -0.40			RUN 247	ALPHA						242 NOW	AH PHA		1 -0.40	
	ī	N						1		7			E				E	≓ №			E					İ			-				ď	•		
	L.	6.3	7.0	7.5	• -	2.7	7.6	6.9	o	. 6	6.6			·	9 55 6			L	1.		L	2.6		e.	3.4	5.9	* *	٠,	1.2	0.1	• •		0.5	9.4	 	2.7
JRATION 7	רים פער רים ב	-1.1 0.3	-27.5 -18.7 -21.0		20.4 35.0			•	10.0		4.7 6.4		URATION 7	1.0 Bat 5.0 F	9 5 6 2 2 2 3		JRATION 7	1.0 BAL 5.0 F	1.4	JURATION 7	Co BAL CO P	-0.6 2.0	SURATION 7	CO BAL CO P	4.6	7	-36.5 -9.6			٠.	-	2.7		9.4 6.4	3 AI	-3.5 2.7
CONFIGURATION 7	2	-1.1		-2.6		16.9	17.5	14.6		7.2	4.7		CONFIGURATION 7	5	011 E.6 011 E.5 026 62.9		CONFIGURATION 7		013 1.6	CONFIGURATION 7	5		CONFIGURATION 7			-59.1		23.5	19.7	7.6		ń c	, v.		-15.2	-3.5
CONFIGURATION	LA BAL LA	1.1- 710	3007 -27.5	.0006011 -2.6	20.4	.0122019 16.9	.0119016 17.5	9000 14.6	.1070077 16.6 1474 - 111 A 9	.1543117 7.2	.1452098 6.7	a na	CONFIGURATION	LO BAL CO			CONFIGURATION	29 BAL		CONFIGURATION	Co Byr Co	.012 -0.6	CONFIGURATION	S BAL	7011 -4.0	1.92- 100	- 36.5	025 23.5	020 19.7	.0484013 9.7	0./ /20	7046 5.5	29124 5.2	73124 4.7	.0091016 -15.2	.0088017 -3.5
	ב כאם רים פער רים	1.1- 710 9000.0	3007 -27.5	0.0006011 -2.6	.0065022 20.4 A101 - 024 21 1	0.0122019 16.9	0.0119016 17.5	6166008 14.6	6.1070077 10.0	.1543117 7.2	0.1452098 6.7	ar ea		P CHP L/D BAL L/D	.0090011 .0000011 .0097026			CHP L/D BAL	.0066613		DE CHE L'S BAL L'S	.0149012 -0.6		OP CHP L'D BAL	7011 -4.0	156 0.0099001 -59.1	005 - 34.5	0.0096025 23.5	.678 0.0164020 19.7	.662 0.0484013 9.7	6.7 720 6	6.5 /20.= 7570.0 757. 6.5 /20.= 7570.0 757.	.796 0.1629124 5.2	73124 4.7	.063 0.0091016 -15.2	0.0068017 -3.5
.66*16**6 CONFIGURATION	COP CHP L/D BAL L/D	003 6.803 6.8056017 -1.1	006174 0.0093007 -27.5 003 -21.0	000 0.044 0.0006011 -2.6	0.0005022 20.4	B.010 0.926 0.0122019 16.9	0.011 0.929 0.0119016 17.5	0.016 1.100 0.0166005 14.6 6	044 0.975 0.1070077 10.0	071 0.697 0.1543117 7.2	041 0.966 0.1452098 6.7		RN= 3.89#16##6 CONFIGURATION	COP CIP L'O BAL L'O	0.0090011 0.0050011 0.0097026		BN= 5.21#10##6 CONFIGURATION	COP CMP L/O BAL	.014 0.0050013	RN= 3.90#10#4 CONFIGURATION	COP CHP L'O BAL L'O	007 0.041 0.0149012 -0.8	RN= 5.23*10**6 CONFIGURATION	CDP CMP L/D BALL	9.4- 110 7000 0.030 0.0	014156 0.0099001 -59.1		101 0.331 0.0096025 23.5	004 0.678 0.0164020 19.7	0.002 0.062 0.0484013 9.7	8.7 /20.= 6000 0 200 0 cto -	052 0.954 0.1177 - 046 5.5 042 0.894 0.1177 - 046 5.5	080 0.796 0.1629124 5.2	095 0.781 0.1773124 4.7	006063 0.0091016 -15.2	007 0.024 0.0086017 -3.5
.484 RN= 3.86*18*6 CONFIGURATION	COBAL CHBAL CLP COP CHP L/D BAL L/D	6.8156003 6.803 6.8056017 -1.1	0.0091006174 0.0093007 -27.5 0.0000003	0.0071000 0.044 0.0006011 -2.6	0.0136 0.000 0.297 0.0055012 20.4	0.0527 4.010 8.926 0.0122019 16.9	0.0512 0.011 0.929 0.0119016 17.5	0.0734 0.016 1.100 0.0166000 14.6 6	0.0977044 0.975 0.1070077 10.0	6.1255071 6.697 6.1543117 7.2	0.1423041 0.966 0.1452098 4.7		.464 RN= 3.89416446 CONFIGURATION	COBAL CHEAL CLP COP CHP L/D BAL L/D	020 0.023 0.0090 011 0.0090 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0		.599 BN= 5.21#10## CONFIGURATION	COBAL CHBAL CLP. CDP CHP L/D BAL	019 0.014 0.0056013	.404 BN= 3.90*10** CONFIGURATION	CDBAL CHBAL CLP CDP CHP L'D BAL L'O	0.0134007 0.041 0.0149012 -0.8	.602 RN= 5.23*10**6 CONFIGURATION	COBAL CHBAL CLP CDP CHP L/D BAL	0.0079010 0.030 0.0007011	0.0046014156 0.0099001 -59.1	0.0052011003 0.0000005 -34.5 0.0060010 0.016 0.0000009 -9.1	0.0142101 0.331 0.0096025 23.5	0.0361004 0.678 0.0164020 19.7	0.0974 0.002 0.882 0.0484013 9.7	0.1 /2001.0 0.70. 0.1002. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10. 0.10.	0.1500 =.052 0.954 0.0964 =.057 0.5 0.1505 =.062 0.896 0.1127 = 066 5.8	0.1561080 0.796 0.1629124 5.2	0.1750095 0.781 0.1773124 4.7	0.0099008083 0.0091016 -15.2	0.0104007 0.024 0.0086017 -3.5
RN= 3.86 #16##6 CONFIGURATION	ר כאפער כונ כסט כאט דעם פער דעם	010 6.0156003 6.003 6.0056017 -1.1	.0091006174 0.6093007 -27.5 .0060003	.01016 0.0071000 0.044 0.0066011 -2.6	0.277 0.0136 0.000 0.297 0.0005012 20.4 0 800 0 0000 0 001 0 417 0 0101 - 024 91 1	0.891 0.0527 8.010 0.926 0.0122019 16.9	10 0.697 0.0512 0.011 0.929 0.0119016 17.5	1.068 0.0734 0.016 1.100 0.0166006 14.6 6	.977 0.0977044 0.975 0.1070077 10.0	0.905 0.1255071 0.097 0.1543117 7.2	0.948 0.1423041 0.966 0.1452098 6.7		RN= 3.89#16##6 CONFIGURATION	CHEAL CLP COP CHP L/D BAL L/D	0.023 0.0000 0.013 110- 0.000 0.250.0 1611 0.0001 0.001		BN= 5.21#10##6 CONFIGURATION	CHBAL CLP, CDP CHP L/0 BAL	0.014 0.0050013	RN= 3.90#10#4 CONFIGURATION	CHEAL CLP COP CHE L'S BAL L'S	.0134007 0.041 6.0149012 -0.6	RN= 5.23*10**6 CONFIGURATION	CHBAL CLP COP CHP L/D BAL	611 0.0079016 0.030 0.0007011 -4.0	273 0.0046014150 0.0099001 -59.1	.0052011063 0.0000005 -34.5	0.334 0.0142101 0.331 0.0096025 23.5	0.0361004 0.678 0.0164020 19.7	0.940 0.0974 0.002 0.862 0.0484013 9.7	8.7 /20.= 6000 0 200 0 cto -	0.097 0.1504052 0.954 0.0954057 0.5 0.080 0.1505042 0.094 0.1177 - 044 5.0	0.623 0.1561080 0.796 0.1629124 5.2	.1750095 0.781 0.1773124 4.7	151 0.0099008083 0.0091016 -15.2	036 0.0104007 0.024 0.0068017 -3.5

RUN 252	MACH	. 302	#	4.2041	9==01	CONFIG	CONFIGURATION	7	2	RUN 256	MACH	. 400	ž	3.64#10##6	9	CONF 16	CONF IGURATION	•
PT ALPHA	CLBAL	COBAL	CHBAL	ង	8	9	L/D BAL	2	E	ALPHA	CLBAL	CDBAL	CFBAL	ฮ	8	<u>a</u>	120 BAL	<u>.</u>
•	.007	0.0067	002	920.0	0.0131	005	•	9.4	•	- 05	004		005			013		•:
3 -2.05	.220	•	002	-17	0.0095	0.003	-19.4 -19.4	-17.9	• ;	3.15	906		00	0.337	1909	013		41.5
•	171	. 6673					9 4		3 :							778		
			90	282	8.00AB	1	;	75.1		26.	600							7
4.66	505	0.0030	900	.586	9.0163	010	196.5	26.0		12.23	1.131	0.6726	902	1.136	2000	0.022	15.5	37.4
	.693	0.0213	00.0	0.031	0.0133	012	41.9	9.99		13.31				1.109		0.019	1	
_	.092		003	1.101	0.4134	010	30.1	62.3	5	14.26	1.002		920	1.001	2.0636	0.007	4.	16.9
	160.	•	003	1.087	0.0165	- 009	5.62	65.7		2	. 976	1.1506	045	1.07		+00·-	:	14.4
	.179		100	1.168	0.0163	900	25.5	71.6		*	0.895					040	6 .0	10.4
	. 255		003	1.239	0.0104	. 003	2 :	67.1			- 104		200	6	9.4	013		-11.3
	.123		015	1.193	0.0515	- 00 t	6.11	23.0	2		- 0 J4		603		. 6074	014		-2.
	<u> </u>	0.1092	10	1.157	4.0569	100.	* •	Z-02										
		•		502.1		10.	N 1	2.12										
	-	1507		7.67	24/47) de	, <u>,</u>											
	0 6			4	1000				2	PUN 250	Ä	MACH: .598	Ž	5.21#10##£	7		CONTRABATION	•
	3 2		9				9	-					į					•
				•		}	?	•	E	ALPHA	CLBAL	CDOY	CIBAL	5	8	5	29 BY	5
									-	9	740	5		21	1111	414	•	•
736	MACKE	404	170	1 860	4==0		COME TO TO A TITUM	,	• •		_			Z				-11.
	5							•		-	**	1.0051	- 00	-11	1.0076	- 613	5.5	-21.5
PT ALPMA	CLBAL	CDGAL	COBAL	บี	9	Đ	20 841	5		2	_	B. 0063	000	3	1.0077		7	**
				1					•		0.343	9.016.		9.345	. 0084	013	26.7	41.1
•		1.0135	003	0.037	0.0007	007	•	4.3	•		0.727		007	1.69	0.110	033	21.0	59.0
2 6.10	0.599	0.0306	-, 002	. 602	0.0097	019	19.6	62.0	^		. 100		0.007	0.071	. 040		10.5	21.2
											296.		120	9.00	1.0599	0.035		16.7
RUN 254	MACH	. 904	<u>"</u>	6.0941	10116	COMET	CONFIGURATION	,		\$;	2		820.			200.	?	12.0
					8	9					200		9		3			
ALTIA IT	14011				3	5		2			0.077		07	3	1637	**		
1 -0.04	042	0.0111	017	030	0.0140	016	-3.0	-2.1			P. PA3		112		1.1277	069		6.7
									::	1.6	124	2006.2	015	153	1.00%	615	-20.	-19.9
										9						. 11.		6 6
RUN 255	MACH		Ë	4.194104	10446	COMF 1(CONFIGURATION											
PT ALFHA	CLBAL	CDBAL	CPBAL	- CLP	COP	CHE	L/D BAL	5	\$	RUN 260	#Q#	MACH= . 806	Ī	4.04#10##	***	CONF 16	CONFIGURATION	•
•		1.6207		6.00	ã	•10	2.1	•	E	ALPHA	CLBAL	COBAL	CPBAL	נו	8	20	20 BAL	5
		9.0210		0.070	0.0207	015		7.7										
4 0.10	0.020	0.0213	. 006	0.020	1610.0	006	1.3	5.6		2	_	•	017	170	1.00.1	002	•	-10.6
•		9.020.0		0.045	8	007	6.7	1.3			_	•	- 0	41		015	-32.0	-26.4
•		9020.6		0.034	5	005	9.	1.7		3	_	0.0058		. 324		000	-66.7	-31.2
										및 :		. 0057		2		\$00.0 0.00	-12.6	-21.7
RUN 257	HACH.	= .402	NA.	3.06	*10**	CONFI	IGURATION	•	4	9 :		2010.0			.000	200.0	 	• • • ;
									• •			•		141.		100.	1.12	F :
PT ALPHA	CLBAL	COBAL	CHBAL	2	8	5	170 BAL	<u>.</u>	٠.	į		•				620.		7 :
			,		•	;			•	! =		96 90		713				
•			00.	-	6/00 B	800		• · · · ·	9	3	450	0.05	980		75.2	7.00		
? •			500.		•	800		-33.6	=		67.6	1079	960	159 0				, a
7 9			100.		•	* 20		2.41-	21	20.	- 170	7900.	010	- 160		010	-50.5	-17.0
70.0-	120		200	902	9/00/0	900		· •		.27	- 069	1600.0	019	073		017	-7.5	7.0
n .			200		9 6	3 6		, P. 44										
3 6			3 6		9.00.0	000		. ¥.										
•	ľ		>		?	5		h. 0										

RUN 261	192	MACH . 298	9 62.	#	4.06#10##6	7**01	CONFI	CONFIGURATION	•	RUN 266		HACH= .842	2 BHz	•	.09416446		CONFIGURATION	MATION	
PT AL	ALPHA C	CLBAL	COBAL	CHEAL	ร	8	5	2 B V	5	PT ALPHA	A CLBAL	L COBAL	IL CHBAI	וו כר	5	8	8	Co BAL	2
		0.010				0.0204	006		4.4.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.7.5 7.5	1 -0.03	3 6.003	3 0.0190 6 0.0204		% 	••	- 9519.		**	
n + :		900°		025		. 0005 0. 0062	- 615		1.21.										
	5.2%	1. 520 1. 627		700		0.0102			63.2	192 NN		MACN= .877			1.0 slows		CONFIG	CONFIGURATION	•
		906		620	24.	0.0121	009		77.6	PT ALPHA	IA CLBAL	L CDBAL	CEAL		3	8	\$ 5	2 84	5
	11.22 1 12.23 1	1.192 1.192		027	1.207	0.0171	. 003		7.02							•			
		1.265		017	1.273	4120.0	0.010	1	59.3	20.0- I	50 A 11	9040	710	110 - 031		A.0296	0.012	9.	-1.0
11 14	14.25	1.263	6.1115	0 22	1.273	0.0303	. 00 d	2 d	33.0 19.0		•							!	
			1410	- 069	1.160	0.0691	9,00	7.4	16.0										
15 -0 15 -0	5 8	090 002			062 0.012	6.0063 6.0063	• . • . • . • . • . • . • . • . • . • .		1.5	992 NO.H		MACH= .895			6.26#10##6		CONFIG	CONFIGURATION	•
	12									PT ALPHA	IA CLBAL	T CDBAL	IL CIBAL		3	B	8	29 BAL	<u>\$</u>
2	392	MACH	.751	ž	5.66#10#m6	10==6	CONFI	CONFIGURATION	•	-0.0	0.011	1 0.0402	13 0.001	01020 01030		0.0390	0.00	 	-0.5 -0.7
PT AL	ALPHA C	CLBAL	CDBAL	Creat	3	8	5	S BAL	5										
9 P	- 9.0° - 0.0°	022 0 023 0	0.0000	017		9.0001	022 0 22	\$. \$	-1.7										
															-				
. RUN 263	263	MACH	.77	7	5.96	5. 98#10## 4	CONFI	CONFIGURATION	-										
PI VI	ALPHA C	CLBAL	CDBAL	CHEAL	3	3	5	2	5										
7 7	-0.03	030	0.0090	010	ess	0.0087	020	-3.1		RUN 270		MACH= .3	.399		3.79#18##6	Ī	CONFIG	CONFIGURATION	•
										PT ALPHA	HA CLBAL	AL CDBAL	AL CHBAL		3	8	\$	2	2
PUN 264	592	MCH.	. 603	Ī	6.03	. 03*10**6	CONFI	CONFIGURATION	•	1 -0.03	110 20	11 6.6107		005	.038 0.		015	1.1	9.6
PT AL	ALPHA (CLBAL	CDBAL	CHBAL	CLP	ŝ	9	2	5					_	,	2000		-16.4	-13.7
7			0.0111	017	050	06.00.0	017	4. k	4.6	5 3.03		•			•		1	25.3	7,
		969	97 TB - A	9	, ,				•		• •	•	_		•			37.0	2.50
														6.006 1.1 6.009 1.1	••	. 0257	007	24.5 20.2	66.9 45.2
S.	RUN 265	MACHE		"X	90.9	6.06#10##6	CONF	CONFIGURATION	•	10 13.13	13 1.072	72 0.0989			1.356 0.	6590		10.6	17.4
PT AL	ALPHA (CLBAL	COBAL	CHBAL	and the second	COP	5	2 04	5			0 0			•		150-	9.6	1.0
7	•		0.0127	015	-,044	9.010	013	-2.7	4.4	7	3 1	•	_		1.10/ U . 065 0 .	. 00760.	075	7.4 -20.9	11.3 -0.3
	-0.05	020 0	0.0137	013	050	0.0102	-,014	-2.0	-3.9	15 -0.	.22060	50 0.0075	75 0.008	00 0.014	•	- 9200.	015	-7.9	1.0

	CONFIGURATION 9 R.	*	Ž	5.03410##6	CONFI	CONFIGURATION	•
CDBAL CHBAL CLP CDP	CHP LO BAL LOP P PT ALPHA	CLBAL COBAL	CHBAL	כרג כסג		29 84 F	5
006 0.005 0.0079	-0.2	006	016	0.006 0.0084	A(0 0)		•
007232 0.0093	-110.2 -24.6	•	013	•		-21.8	-15.0
6/00's 011'= /00'=	-13.9	•	014	257 0.0092	910 2	-49.1	-27.9
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2.0	•	014	•	910 6.	9.4	-2.2
2000.0 575.0 010.	.	•	970	•		46.5	47.6
1110:0 (1/1) (1/1)	32.0 00.0	•	017	•		30.0	67.7
- DIG 0.496 D 0675	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		8	•		11.6	23.0
47.00 0 400 0 300 -	9 11	_	020	•		9.6	16.9
#5/0:0 # #00 # #70	P. 67	_	037	•		7.3	14.7
200 0 000 0 000 -	6.01	_	961	•	120 0	*.	1.0
1001 D 601 D D00 -	11	_	054	0.970 0.1147	7056	5.1	9.0
651 1.000 0.1071	~·	8.9% B.1639	074	•			
095 0.965 0.1292		0.954 0.1639	068	•		•	
134 0.0078	-27.5 -17.0 14 16.42	•	911	•		•	,
•	15		410	•			
0052010 0.007 0.0070017		•	015	•		6.511	7.07-
	RUN 275	MACH= .752	1	5. 78#18##6	COM# 16	CONFIGURATION	•
	PT ALPHA	CLBAL CDBAL	CHBAL	כוי	4 50	2 84	Š
	1 -0.02		610	604 8.6061	019	7.7	-0.5
MACH 603 BNz 5.97410446 CCAFT	CONFIGURATION 9 2 0.39	0.032 0.0049		0.049 0.0061	610-	•	
CDBAL CPBAL CLP COP CMP						۲. ه	٧.
016047 0.0090	-14.2 -5.2						
012350 0.0136	1	MACH= .779	Ë	5.88=10=»6	COMF 1G	CONFIGURATION	7
011252 0.0093	-26.9						
013068 0.0091	-7.4 PT ALPHA	CLBAL COBAL	CHBAL		5	L/D BA1	7 0/1
710 5010.0 881.0 710 2500.			•			,	
	9.42		870	_		۶.	, ,
064 0.591 0.0295	20.0 19.8 2 0.37	0.025 0.0058	020	9.034 0.0064	020	4.3	,
471 G.634 G.0403							
073 0.692 0.0526							
080 0.733 0.0648	11.1						
080 0.749 0.0668	_	MACH# .803	<u>"</u>	5.94#10##6	CONF 1G	CONFIGURATION	-
092 0.795 0	6.5 9.7						
013413 0.0140	-29.3 -29.3 PT ALPHA	CIBAL CDBAL	CHBAL	CLP CDP	5	1/0 BAL	t 0 r
017272 0.0092	42.1 -29.3					ı	ı
016176 0.0066	-32.7 -20.6 1 0.37			_	010	2.1	
0600.	-10.0 -4.5 2 0.36					2.0	. c.

•	Ŝ	-15.6 -0.9 -0.9	20.4 46.9	66.8	63.5	13.8	:		•	5	1.4	0.07	27.5	59.5	45.6	9.9	4.6	7.21	, v	1.7
CONFIGURATION	8 8 9		4.16	41.1	26.3 16.0	9.7			CONFIGURATION 10	So BAL	-0.1	4	29.9	50.5	17.1	12.7		, , 0 ^		
CONFI	8		012 013	- 600		010 052 009			CONFIG	\$	010	210	- 60	03	90.0	.063		649	900	010
9**01	ŝ	0.0155 0.0140 0.0117 0.0130	0.0154	0.0166	0.0199	0.0541 0.0541 0.0140			ĭ	ŝ	9.0006	0.003	0.0120	9910.0	0.0252	8290.0	1.057	16.90	0.1263	9.0004
4.07#10##6	22	0.000 220 105 0.007	0.314	1.112	1.267	1.215 1.174 069			3.77n18en6	CLP	9.012	334	.9%	1.121	1.155	3:	1.132		. 96.	9.014
<u>"</u>	CLEAL	0.00 0.004 0.005 0.005	0.005 0.003 0.002	0.00	0.00%	012 056 056 0.012			"	CrBAL	013	012	010	210'-	710	620	055	600	- 1	031
MACH= .302	COBAL		0.0110	0.0266	0.0475	0.0961 0.1063			HACH= .402	CDBAL	0.0073	4004	0.0310	0.0540	9696	10073		1201	0.1606	
MAC	CLBAL	003 231 119	0.602	1.0%	1.250	1.205			MACH	CLBAL		6.315 8.545	926.0	1.125	1.17	601.1	94.0	926	916.0	950.0
RUN 263	ALPHA	-0.07 -2.31 -1.14 -0.06	6.19	11.25	13.16	15.15 16.26 -0.96	•		PUN 205	ALPHA	90.0-	3.03	1.11	11.31	12.14	27.53	14.24	16.19	17.64	0.0
~	E	- N F 4	w 4 b	•	22	222	3		ž	4	-	N F	*	un .	• •	٠.	0 0	- =	: :	15
•	2	4.1. 6.	•	<u>ء</u> و	8. S.	á		1.2 0.5		9	• 1	* -	,				6	ı.	1.5	74.1
JURATION 9	70 BAL 170 P	1.0 1.5	URATION 9	5	2.2 5.8		٤ ,	1.3 1.2 1.5 1.5	• POLICE	9 07 178 07		2.0				GATION &		3	2.0	•
CONFIGURATION 9	2		CONFIGURATION 9			,	٤ ,		CONFIGURATION							COMPTON A	0 00 00 00 00 00 00 00 00 00 00 00 00 0	ייט פאר ויים		01.1
9	70 BAL 170	014 B.7 014 B.0	CONFIGURATION	1/0 BAL 1/0	3147019 2.2 3141019 2.2	TO A A COLUMN TO A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE	DP CMP L/D BAL L/D	270 0.002 1.3 286 0.011 1.5		W 07 - d85 - d0		369004 1.0				COST IGURALION		כנו כי פאר ויח	011 2.8	015 61.1 7
	CMP L/0 BAL L/0	1.0		CHP L/D BAL L/D	019 2.2 019 2.2	AND THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF T	CHP L/D BAL L/D	0.0270 0.002 1.3 0.0286 0.011 1.5	A. Jewsones COMPTGHDATTON 9	W 07 - d85 - d0		004 1.0					W - 144 0/ - 0HJ	בחג בעי כים פער ויים	011 2.8	0.0066015 61.1 7
9	COP CMP L/O BAL L/O	0.0116014 1.7 0.0109014 1.0	CONFIGURATION	COP CHP L/D BAL L/D	0.0147019 2.2 0.0141019 2.2	A TANA TANA TANA TANA TANA TANA TANA TA	DP CMP L/D BAL L/D	0.0270 0.002 1.3 0.0286 0.011 1.5		THE CHE CHE THE		0.0369004 1.0				COST IGURALION	045	רוב רחב רעה לים פער וים	0.0082011 2.0	0.640 0.0086015 81.1 7
RN= 5.99410446	CLP COP CMP L/0 BAL L/0	0.016 0.0116014 1.7 0.016 0.0109014 1.9	RN= 6.02410446 CONFIGURATION	CLP COP CNP L/D BAL L/D	0.077 0.0147019 2.2 0.076 0.0141019 2.2	Annalist A the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the sta	CHOAL CLP CDP CHP L/D BAL L/D	0.013 0.0270 0.002 1.3 0.015 0.0266 0.011 1.5	3##50(#4C.4	CAN CHE CHE CHE CHE CHE		0.01% 0.656 0.0369004 1.0				MMs 3. / SHIOMBO COM IGURATION	6 1 1 4 6 7 1 6 1 5 1 6 1 5 1 6 1 5 1 6 1 5 1 6 1 5 1 6 1 5 1 6 1 5 1 6 1 6	כופער רוב רחב כעה היח פער היח	007 0.012 0.0062011 2.6	010 0.640 0.0066015 81.1 7
9##D[#66.5	CHBAL CLP COP CHP L/0 BAL L/0	019 0.016 0.0116014 1.7 018 0.016 0.0109014 1.9	6.02#10##6 CONFIGURATION	CHBAL CLP COP CHP L/D BAL L/D	014 0.077 0.0147019 2.2 015 0.076 0.0141019 2.2	AND THE A TANABARA AND THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES OF THE PARTIES O	CHOAL CLP CDP CHP L/D BAL L/D	006 0.033 0.0270 0.002 1.3 010 0.015 0.0266 0.011 1.5	4.16#10#46	CAN CHE CHE CHE CHE CHE		6.01% 6.656 0.0369004 1.0				S. / Satones COM ICURATION	COMPANY CARD CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD LANGUE CARD	רתפשו הנפשו בונ בחל נונה בים פשו בים	0.012 0.0082011 2.6	0.0076010 0.640 0.0086015 61.1 7
RN= 5.99410446	COBAL CHBAL CLP CDP CHP L/0 BAL L/0	0.0101019 0.016 0.0116014 1.7 0.0106010 0.016 0.0109014 1.0	RN= 6.02410446 CONFIGURATION	COBAL CHBAL CLP COP CHP L/O BAL L/O	0.0196014 0.077 0.0147019 2.2 0.0197015 0.076 0.0141019 2.2	MATERIAL A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A TAMABAMA A	COBAL CHOAL CLP CDP CHP L/0 BAL L/O	0.0205010 0.013 0.0270 0.002 1.3	3##50(#4C.4	CIPAL COPAL CHARL CLP COP CHE L'O BAI		6.6407 6.01% 6.656 0.0369004 1.0				MMs 3. / SHIOMBO COM IGURATION		בומשר במסשר בינמשר בנג בחל בינה בינת בינת	0.0012007 0.012 0.0062011 2.6	0.632 0.0076010 0.640 0.0066015 61.1 7

REFERENCES

- 1) Carlson, L. A.: A FORTRAN Program for Transonic Airfoil Analysis Or Design. NASA CR-2821, June, 1977.
- 2) Bauer, F; Garabedian, P.; Korn, D. and Jamison, A.: Super-critical Wing Section II, Lecture Notes in Economics and Mathematical Systems. Vol. 108. Springer-Verlag, 1975.
- 3) Maskew, B.: CLMAX Program Description. AMI Report 7711, December, 1977.
- 4) Hicks, R. M; and Vanderplaats, G. N: Application of Numerical Optimization to Design of Low-Speed Airfoils. NASA TM X-3213, 1975.
- 5) Melnick, R. E; Chow, R. R; Mead, H. R.; and Jameson, A.: An Improved Viscid/Inviscid Interaction Procedure for Transonic Flow Over Airfoils. Grumman Aerospace Corporation, February, 1980.
- 6) Jepson, W. D.: Two Dimensional Test of Four Airfoil Configurations With An Aspect Ratio of 7.5 and a 16-inch Chord Up to a Mach Number of 1.1. SER-50977, Final Report for Contract N60921-73-C-0057, April 5, 1977.
- 7) Allen, H. J: and Vincenti, W. G: Wall Interference In A Two-Dimensional-Flow Wind Tunnel, With Consideration of the Effect of Compressibility. NACA Report No. 782, 1944.
- 8) Hilton, W. F: High Speed Aerodynamics. Longmans, Green and Co., 1951.
- 9) Bazin, M.: A Critique of Transonic Airfoil Testing Techniques. Part I, System of Industrial Tests in S3MA. L'Aeronautique et L'Astronautique, No. 31, pp. 1-8, Vol. 7, 1971.

1. Report No. NASA CR-166587	2. Government Access	ion No.	3. Recipient's Catalog	No.
4. Title and Subtitle An Experimental Evaluation	of Advanced	Rotorcraft	5. Report Date February 1	984
Airfoils in the NASA Ames Wind Tunnel	Eleven-Foot T	ransonic	6. Performing Organiz	ation Code
7. Author(s)			8. Performing Organiza	•
Robert J. Flemming		<u> </u>	SER-510106	
9. Performing Organization Name and Address			10. Work Unit No. T3334Y	
Sikorsky Aircraft Division United Technologies Corpor		-	11. Contract or Grant	No.
N. Main St., Stratford, CT			14800-039	
12. Sponsoring Agency Name and Address			13. Type of Report an Contractor Ri March 1982-A	d Period Covered eport pril 1983
National Aeronautics and S Washington, D.C. 20546	pace Administ	ration	14. Sponsoring Agency	
15. Supplementary Notes Point of Contact: Raymond	Hicks, Appli	ed Aerodynamics	Branch	
		Center, M/S 227-		F
Moffett 16. Abstract	Field, CA 9	94035	(415) 96	5-5656
numbers at Mach numbers from tunnel from floor to ceili SC1095 and SC1094 R8, which Three advanced transonic a SSC-B08, were tested to contion of advanced airfoil d	ng, included h have been p irfoils, desi nfirm predict	two modern base previously teste gnated the SSC- ed performance	line airfoil d in other f AO9, SSC-AO7	s, the acilities. , and
This test has shown that t airfoil testing.	he eleven-foo	ot tunnel is sui	ted to two-d	imensional
17. Key Words (Suggested by Author(s))		18. Distribution Statement		
	unnel Test			
Aerodynamics Correl	ation		I - Unlimited	
Helicopters Transonic Airfoils		Subject	category 02	
19. Security Classif. (of this report)	20. Security Classif. (c	of this page)	21. No. of Pages	22. Price*
Unclassified	Unclassif	ied	152	

-

-

.